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The
CHEMIST AND DRUGGIST
for RETAILER - WHOLESALER - MANUFACTURER



Established 1859

28 Essex Street, Strand, London, W.C.2

Registered as a Newspaper

No. 3189
VOL. CXXXIV

MARCH 22, 1941

Annual Subscription (with
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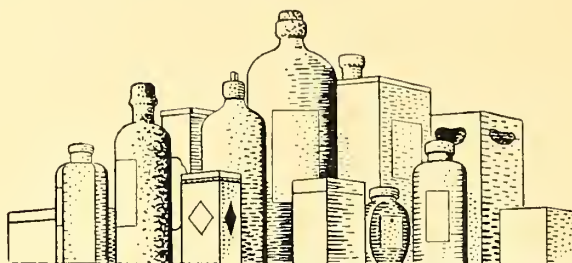
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Yours faithfully,
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(N.F. Fabricius)
Managing Director.

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SATISFACTION FOR
YOUR CUSTOMER**



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SHARP & DOHME LTD.
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Biologicals

HERTS

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Preventive measures against sheep disease are creating an increasing demand for these Evans Products

The prevention of lamb dysentery and sheep diseases in the braxy category is a matter of national importance calling for immediate measures. Inoculation of sheep will be taking place all over the country during the coming weeks and farmers are being directed in their national papers to get supplies of these Evans products from their local chemist.

This publicity coupled with the established reputation of Evans Veterinary Products will promote what is likely to become the biggest seasonal demand in their history. Your co-operation is invited in recommending the products, all of which are ready for immediate delivery.

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EVANS ENTERO-TOXAEMIA VACCINE

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EVANS BLACKLEG F.W.C. VACCINE

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All the above prices are subject to trade discount.



EVANS

VETERINARY PRODUCTS

EVANS SONS LESCHER & WEBB LTD

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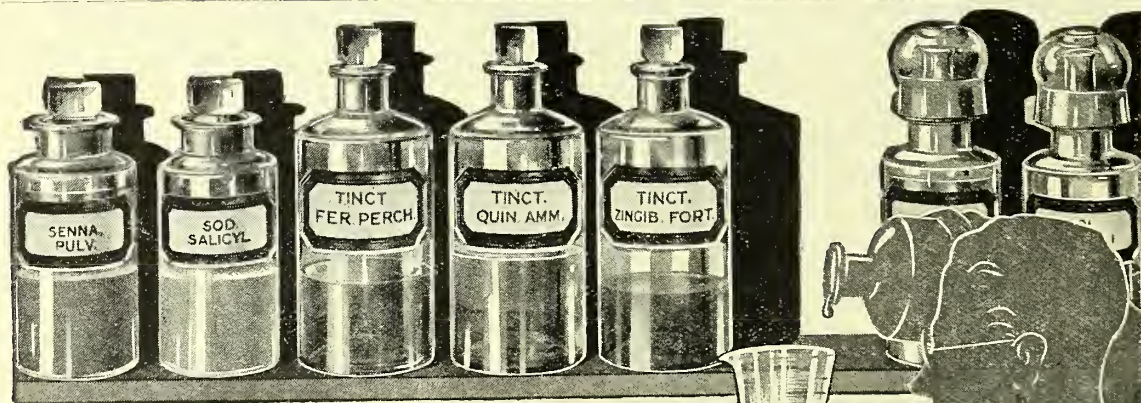
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PRICES OF STILBOESTROL PREPARATIONS*A CHANGE OF POLICY*

The costs of manufacturing stilboestrol, as experienced on such a large scale at Greenford, would have allowed reduction in price some time ago. It seemed very desirable, however, not to effect considerable price reductions until clinical experience with this powerful synthetic oestrogenic substance was greater. To have made the treatment low in price might have encouraged general use of the substance prematurely.

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It is now desired to relate prices more strictly to costs of production, while drawing special attention to the need for treating these potent preparations with due respect.* The new prices are as follows:—

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1/-
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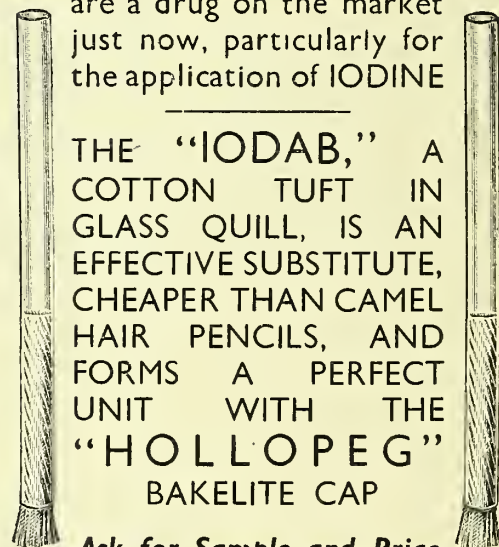
are a drug on the market just now, particularly for the application of IODINE

THE "IODAB," A COTTON TUFT IN GLASS QUILL, IS AN EFFECTIVE SUBSTITUTE, CHEAPER THAN CAMEL HAIR PENCILS, AND FORMS A PERFECT UNIT WITH THE "HOLLOPEG" BAKELITE CAP

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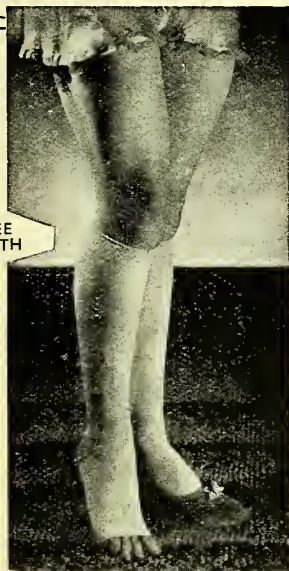
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Two-way Stretch that
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A BEST SELLER, of supreme quality, for the
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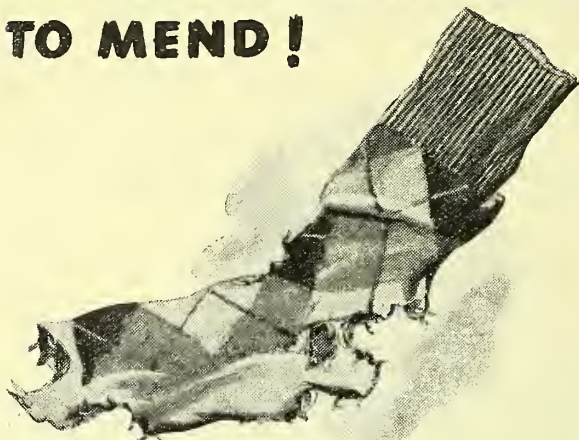
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Academic Depot, 156-162 Oxford St., London, W.1

Phone: Museum 6313

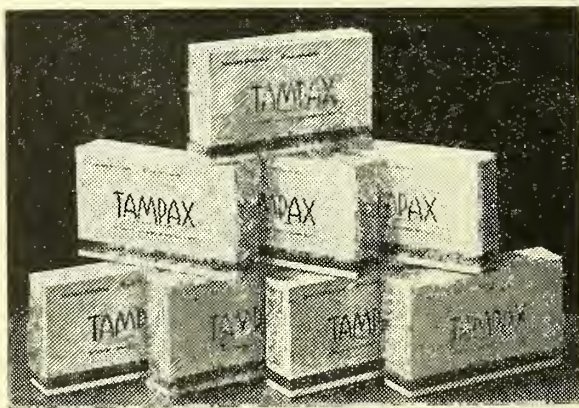
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TO MEND !**



Stock TAMPAX NOW
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If you've been missing your quota of these national sales start now to collect the profit that's waiting for you. Tampax has transformed turnover for chemists all over the country; it can make all the difference to yours too. The present emergency is a special opportunity to build up a new and lasting demand. With women so widely mobilised for active service, Tampax is more simple to introduce and to sell than ever before. And Tampax, once sold, introduces a regular repeating demand.



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ANNOUNCEMENT BY BOURJOIS

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BUT WHOLESALERS
HAVE STOCKS**

Our quota for the present period, ending 31st May, has been sold, and it is with the utmost regret that we have to inform the Retail Trade that we cannot accept any more orders until 1st June.

Under these circumstances we suggest that our Retail friends should endeavour to obtain the BOURJOIS goods they require from a Wholesale House. Of course, Wholesalers are also subject to the Limitation of Supplies Order, but our products have a very wide distribution and there is a reasonable probability that a considerable number of the Wholesale Houses still hold stocks.

If your usual Wholesaler cannot meet your requirements, we respectfully urge you to try elsewhere. All are anxious to serve you, but some may be better placed than others to do so.

BOURJOIS LTD.

Temporary Address: 36 Grove Road Sutton, Surrey. Showrooms: 2-5 Old Bond Street, London, W.1

AS LONG AS WOMEN ARE WOMEN



Yeast-Pac PRODUCTS WILL BE STEADY SELLERS

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YEAST-PAC BEAUTY MASK

YEAST-PAC FOUNDATION CREAM

YEAST-PAC BEAUTY SOAP

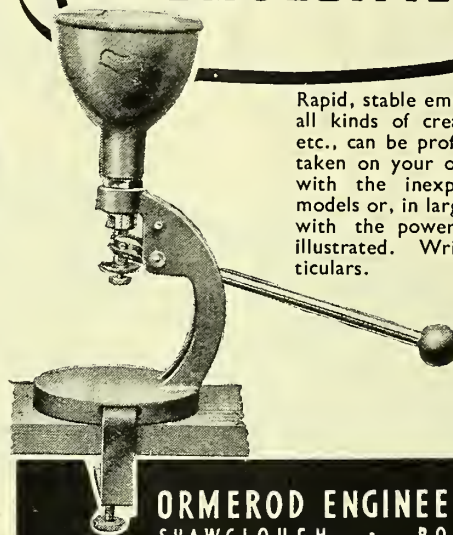
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*Here's an easy way
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Q.P. EMULSIFIERS



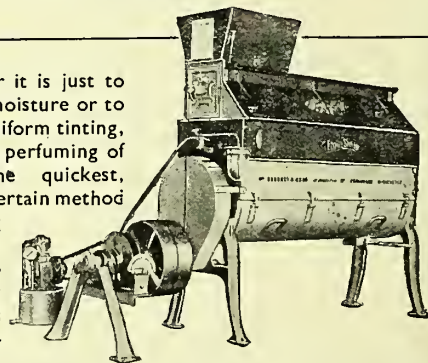
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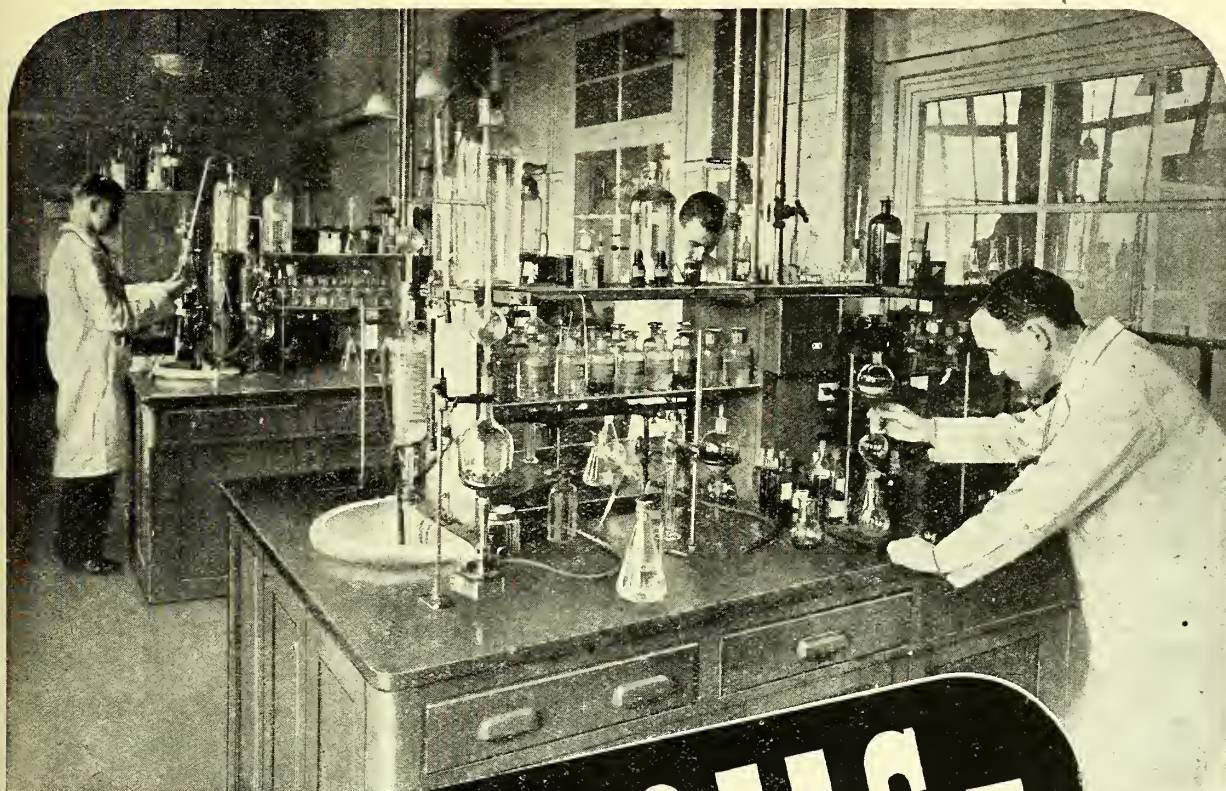


With it, a very wide variety of goods can be processed, for it combines THREE PROCESSES IN ONE MACHINE

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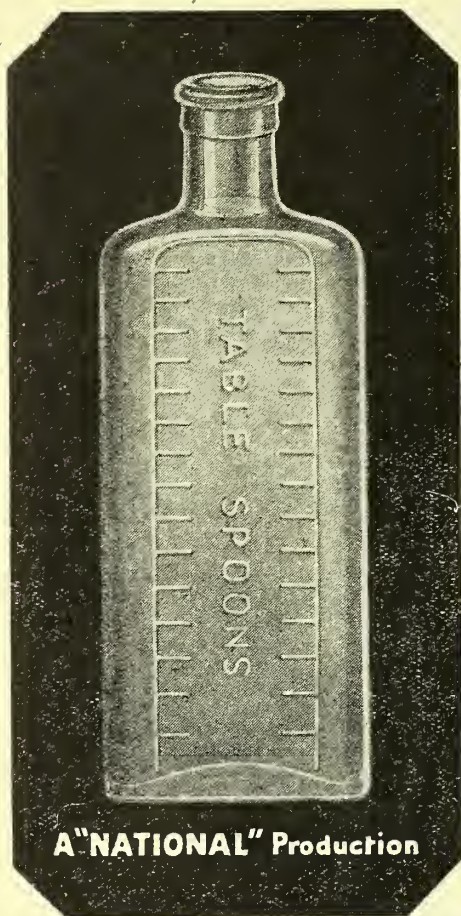
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Preparations**



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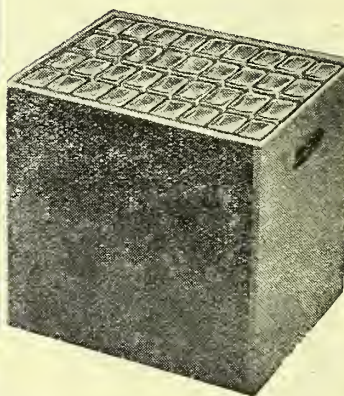
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For oral or hypodermic administration.

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injection.

0.03 gramme (gr. 1/2 approx.).
Boxes containing 10 ampoules,
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For use in the atomiser
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Bottles of 1 fl. oz. (with
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16 fl. oz., 27/- each

London Prices to the Trade (subject) exclusive of Purchase Tax



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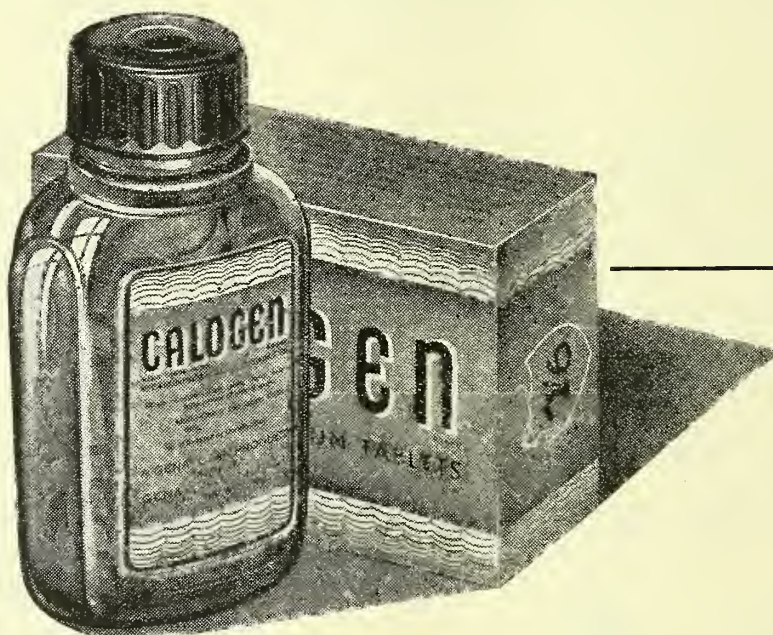
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CALOGEN IN WAR TIME

(Regd. Trade Mark)

Brand



Now that protective foods such as cheese, butter and eggs are in limited supply, the medical profession and the public are showing an increased interest in 'Calogen' Vitaminised Calcium. 'Calogen' is not only a potent and readily assimilable source of calcium, but is also a valuable dietary supplement containing mineral elements and standardised amounts of the important vitamins A and D.

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Issued in bottles of 60

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MADE BY GENATOSAN LTD., LOUGHBOROUGH



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For RETAILER — WHOLESALE — MANUFACTURER

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NEWS OF THE WEEK

Spitfire Donation.—Amongst a list of donations announced by Ministry of Aircraft Production on March 15 was one of £5,000 from Borax Consolidated, Ltd.

London Commercial Sale Rooms.—London Commercial Sale Rooms are to open on weekdays from 10 a.m. to 4 p.m. The rooms remain closed on Saturdays.

Cocoa Butter Maximum Prices.—The Ministry of Food has issued the Cocoa Butter (Maximum Prices) Order, 1941, dated March No. 325, H.M. Stationery Office, price 1d.).

Export Control Order Amendment.—By an Order dated March 5 Board of Trade has amended the Export of Goods (Control) Order, 1940 (b), so that the Faroe Islands and Iceland are added by paragraph (a) of Article 4. In the Schedule coal tar creosote oil and coal tar oils not elsewhere specified are substituted for creosote oil; the words "excluding naphthalene oil" after naphthalene are deleted; after phosphorus and phosphorus compounds the word "excluding codeine and morphine phosphates" is added; the entry "tar oil and other heavy coal tar oils" is deleted; morphine tartrate is added as a product excluded from the definition "tartaric acid and its salts."

Drug Export Control Extension.—The Board of Trade has issued an Order, the Export of Goods (Control) (No. 9) Order, 1941, dated March 12 (No. 308, H.M. Stationery Office, price 1d.), the effect of which is to extend certain groups in the schedule. To Group 1 are added cassava, sago, tapioca and roots, and meal or flour of cassava and sago. Candles, tapers, night lights and bougies, stearic acid wax and dextrin, mineral waxes, mixtures of waxes, mixtures of waxes with stearine, and starch, are added to Group 3, in which paraffin wax is deleted. Arsenic, cadmium, and cobalt are added to the list of ores and concentrates (Group 6). In Group 13 inserted aluminium sulphate, citric acid, sodium aluminate. Various other changes are made, chiefly affecting destinations.

Paper Supplies.—The Paper Controller, on behalf of the Ministry of Supply, calls attention to the need for economising to the greatest possible extent in the use of all kinds of paper, which in the present circumstances can only be made available for what can be regarded as essential purposes. It is felt that in many trades and usages where reduction in consumption could be made. In regard to paper for paper-board for wrapping purposes, restrictions are already operative under the provisions of the Control of Paper (No. 28) Order, issued under the Defence (General) Regulations, which provides, among other things, that no person shall use any greater quantity of paper wrapping or packing than is reasonably required for the protection of the goods, nor wrap or pack with paper any article which does not reasonably require such wrapping for its protection.

Aluminium Hollow-ware Exports.—Under a Board of Trade Order (S.R. & O., 1941, No. 308) which comes into force on March 27, the exportation of aluminium hollow-ware is controlled to all destinations, and applications for export licences will not, normally, be granted. The Ministry of Aircraft Production are prepared to release at cost stocks held by persons registered under the Limitation of Supplies (Miscellaneous) Orders. Persons wishing to dispose of their stocks on this basis should apply to the Aluminium Control, Ministry of Aircraft Production, Southam Road, Banbury. The exportation of candles, starches, cassava, sago, tapioca, waxes and certain chemicals is also controlled to all destinations. Control is also imposed on the exportation of casein and certain additional metal

ores but, in these cases, to certain destinations only. The Order also extends the existing control with respect to certain chemicals.

Sheffield Branch Meets.—A meeting of the Sheffield Branch of the Pharmaceutical Society was held on March 6, the chairman (Mr. J. T. Appleton) presiding. Mr. F. W. Adams (assistant secretary of the Society) surveyed the first part of the Report of the pharmaceutical Committee of Inquiry. A vote of thanks was proposed by Mr. J. E. Crowe, and seconded by Mr. C. P. Gilbert. Messrs. J. E. Crowe, P. Hessey, W. Jamieson and the secretary (Mr. E. A. Kirman) were appointed representatives to the British Pharmaceutical Conference.

Presentation.—Miss Charity Bick, West Bromwich, who was recently awarded a George Medal for bravery during an air raid, was on March 8 presented with a bicycle by her employers, Cuxson, Gerrard & Co., Ltd., Oldbury. While acting as an A.R.P. dispatch rider, Miss Bick had been blown from her bicycle several times by bombs, yet found time to put out some incendiaries, one of them in the bedroom of a house. Making the presentation, Mr. A. D. Gerrard (chairman and managing director) said that the directors, while offering hearty congratulations to Miss Bick upon the honour conferred upon her, felt that the staff would approve of her actions being recognised in an appropriate manner.

IRELAND

F.I.I. Appointment.—Mr. S. C. McAuley (managing director, Irish Pharmaceuticals, Ltd., Dublin) has been elected a vice-president of the Federation of Irish Industries.

Pharmacists' Mail Order Business.—To restore turnover lost because of high fares and shortage of petrol, certain chemists in Eire are understood to have turned their attention to developing a "shop-by-post" business.

Lectures on Poison Law.—Two lectures on poison law are to be given by the Registrar of the Pharmaceutical Society of Ireland (Mr. J. J. Kerr) at the Society's headquarters at 8.30 p.m. on April 2 and 3. Admission is free. Tickets may be had at the office of the Society, 67 Lower Mount Street, Dublin.

Examination Closing Dates.—The latest dates for application for entrance to the April examinations of the Pharmaceutical Society of Ireland are: Registered Druggist examination, March 25; Pharmaceutical Licence examination, April 1; Pharmaceutical Assistant examination, April 7. Applications must be lodged by 11 a.m. on the appointed dates.

Irish Drug Association.—Mr. P. F. McGrath (president) was in the chair at a meeting of the committee of the Irish Drug Association held on March 3. The Committee reminded members that the published price changes are solely for members' own use and must not be passed on or communicated to any other person. Mr. J. J. Roche was appointed to represent the Association on the Industrial Court of Referees for the next three years. The report of a special meeting held recently with representatives, agents, and principals of approved manufacturers and approved wholesalers was discussed at length. At this meeting Mr. McGrath had explained it had been called to elicit opinions on the policy and working of the approved lists, and to point out that complaints and proved instances of leakages were still occurring; in the interests of all parties joint action was necessary as it was unfair to ask a firm to take individual action against, for example, a chemist who might be found selling approved lines at

less than the full I.D.A. retail price. The report stated that it was eventually agreed, on the proposition of Mr. McGrath, seconded by Mr. Meagher, to form an I.D.A. Approved Lists Control Committee consisting of the following: *Representing wholesalers*, Messrs. P. C. Cahill, A. D. Davidson, A. W. Hughes; *representing manufacturers*, Messrs. C. H. Fielding, J. Fasken, W. J. Webb; *representing retailers*, Messrs. P. F. McGrath, F. X. Meagher, G. A. McLean Lee, and A. J. Donnell. It was further agreed that the chairman for the time being of the I.D.A. should be at all times chairman of the control committee. A stop list was established, on which is to be placed the name of any retailer, wholesaler, or manufacturer found guilty of distributing approved lines for re-sale to channels other than those set down in the existing approved list. Approved manufacturers and approved wholesalers will refuse to supply their goods to any person or firm whose name is placed on the list.

A prices and general purposes subcommittee, consisting of the president, Messrs. Meagher, McLean Lee, and A. J. Donnell, was formed on the proposal of Mr. T. C. Scott, seconded by Mr. G. C. O'Neill, and it was agreed that this subcommittee should meet every fortnight prior to the general committee meeting. Two resolutions deferred from the annual general meeting held on January 3 were discussed. It was decided to take no action on the first motion ("To consider the possibility of creating a War Emergency Fund for members"). The second resolution evoked a decision, on the proposal of Mr. McLean Lee, seconded by Mr. D. Woulfe, that any member of the committee or any delegate from a local Association, who travels a substantial distance to any committee or delegates' meeting called by the secretary, shall have his travelling expenses paid; hotel expenses not exceeding 15s. shall in addition be paid when return transport is not readily available. A discussion took place on the pricing of proprietaries ordered on prescriptions and on various other items which had recently been altered in cost, including cod liver oil. These matters were referred to the pricing and general purposes subcommittee. It was decided, in view of the large stocks held by the majority of members, not to advance the retail price of a proprietary lotion until the next issue of the price changes.

SCOTLAND

Mr. A. Fraser, M.P.S., Hope Street, Bo'ness, has been appointed chairman of the West Lothian Chemists' Panel Committee.

Rotary Club Address.—Mr. John Cameron, Ph.C., F.R.S.E., addressed Edinburgh Rotary Club on March 13 on "My Experiences in the Far East."

EMPIRE AND FOREIGN NEWS

Australian Fund for Relief of British Pharmacists.—At the time of the last information received the fund raised in Australia for the relief of British pharmacists left in distress owing to the war stood at £600.

Pharmacy in U.S. Defence Plans.—A committee has been appointed by the American Pharmaceutical Association to prepare and issue a statement on the importance of pharmacy in the life of the community and the hazards to public health and welfare if pharmaceutical service is curtailed.

American Aid for British Pharmacists.—Responding to a request by the Pharmaceutical Society of Great Britain, the Council of the American Pharmaceutical Association has authorised the use of its name in the solicitation of funds for the purposes of assisting pharmacists who find themselves in distress through war conditions.

Change in Queensland Poisons Regulations.—Under the amended and consolidated Poisons Regulations, 1940, of the Queensland Government, registered dentists are authorised to obtain for treatment of their patients the following restricted drugs: Adrenaline or any substitute therefor; cocaine substitutes a synthetic cocaine; barbituric acid, its salts, derivatives of barbituric acid, and their salts.

Developing South Africa's Export Trade.—The possibilities of developing Eastern outlets for South African medicinal preparations, perfumes, toilet goods, hair lotions and similar products made in South Africa, are engaging the attention of South African manufacturers. It has been proposed that South African chemists and manufacturers should produce for export in bond, and so avoid the imposition of customs duties and other charges. The matter is reported to have been under consideration by the Board of Trade and Industries, and the Board, under the direction of the Minister of Commerce and Industry, is carrying out investigations into the position of the light chemical industry. Several manufacturers have supplied particulars of the extent of their present operations, and outlined the possibilities they foresee of developing the export trade to the Rhodesias and other African territories, to the Near East, India, and other eastern countries. The parent concerns operating certain South African factories have considered the advantages of transferring their eastern export business to the South African subsidiaries. With certain adjustments in the conditions under which they produce in South Africa, many manufacturers believe they could go into the export field with every prospect of early success and the hope of retaining after the war the business gained.

TOPICAL REFLECTIONS

Concentrating Production.—The details in your editorial article "Concentration of Industry" (p. 165) answer most of the questions that must have occurred to interested readers since you announced the Government scheme in the previous week's issue. The enumeration of the privileges to be granted to "nucleus" firms is on the whole satisfactory, though expressed with the customary official caution. Certain matters of great importance remain to be settled, so far as possible, by private initiative. The chief of these, as I view the situation, are the obligations as to general overhead expenses already entered into by firms to be absorbed under the scheme, and the existing guarantee that employees now on active service will be placed in equally good positions after their demobilisation. The first of the two problems will need great care in the delicate adjustment necessary if unfairness is to be avoided: one can easily imagine undue pressure being brought to bear on small companies. The second problem may eventually bring in the Government as a party to the bargain: it is not at present clear what will be the position of employees due for return to civilian life and finding that their employer no longer exists as a separate entity. Possibly fresh legislation will then be requisite.

A Famous Spa.—Among the contents of your last week's issue, with its generous proportion of special articles in addition to the news, none is of more topical interest than the illustrated account of the Bath spa water (p. 158), which, I was pleased to read, is increasing in public favour. Most of us suffer from shortness of memory in some directions: it may thus easily "come as a surprise" to many that "bottled Sulis water has been available for many years," though I do not suppose that visitors to the Bath meeting of the British Pharmaceutical Conference in 1924 are in much doubt on the subject. The waters of Sul, the former tutelary deity of Bath, are of very great historical and scientific interest. According to legend, Bladud, founder of the city in 863 B.C., was cured of leprosy by bathing in a spring on the site. Roman remains are sufficiently

numerous to show the importance of the baths during the first centuries of the present era; after a brief eclipse during the Saxon period Bath re-emerged as a city with a definite *ethos*, attaining the height of its fame as a fashionable resort in the eighteenth century. The analysis of the water according to International Society of Medicinal Hydrology standards, given in your article, is of particular interest, and when compared with those of Professor Atfield or the "Lancet" analysts of 1899 (*C. & D.*, 1924, I, 924-25), indicates the advance in analytical precision made in the course of about forty years. There is now very little excuse for searching in byways for odd bottles of some Continental spa water of uncertain age in order to keep the department going.

A Veteran Pharmacist.—The death of Mr. J. P. Gilmour at the age of eighty, briefly recorded among the late news in your last week's Coloured Supplement, breaks another link with the past. Entering pharmacy somewhat later than the average neophyte, Mr. Gilmour did notable work as chairman of the Pharmaceutical Society's North British Executive and of its Edinburgh Board of Examiners, and as a member of the Council. In the negotiations that ushered in the first National Health Insurance Act he took a prominent part with successful results, afterwards becoming chairman of the Scottish Pharmaceutical Committee. He was a member of the Council of the Proprietary Articles Trade Association and a director of the Chemists' Defence Association prior to becoming editor of "The Pharmaceutical Journal" in 1916. For the next seventeen years he filled this office with distinction, and on his retirement in 1933 a glowing tribute to his work was paid in your columns by Mr. Herbert Skinner. One sometimes wondered how his gentle temperament came unscathed through the clash of opposing parties which at times he had to encounter in full force; but he seemed to possess the secret of absorbing shocks. A delightful companion in social functions, he never, to my knowledge, talked "shop," and the width of his reading was obvious.

Xrayser

LEGAL REPORTS

Injunction Granted.—In the Chancery Division of the High Court, London, before Mr. Justice Farwell, recently, Mr. Donald Hen, appearing for plaintiffs in an action by W. J. Rendell, Ltd., against A. B. Hirst, Westgate, Bradford, moved for an interlocutory injunction to restrain defendant from infringing plaintiffs' registered trade mark and from passing off goods not of their manufacture as of their goods.

Mr. Cohen said that defendant, who had not entered an appearance, had intimated that he did not intend to defend the action. In particular W. J. Rendell, Ltd., sought to restrain him from selling certain articles not of their manufacture in boxes bearing labels obviously resembling plaintiffs' trade-mark. They carried on the business of dealers in chemists' sundries and pharmaceutical preparations and they alleged that defendant had sold the articles combined under the name W. J. Rendell—an "a" being substituted for "e." Counsel submitted that this was a clear case of passing-off.

Mr. Justice Farwell granted the injunction claimed.

COMPANY NEWS

P.C. means Private Company and R.O. Registered Office

PETER GANN, LTD. (P.C.).—Capital £500. Objects: To carry on business as manufacturers of and dealers in cork products. The first directors are to be appointed. R.O.: 36 Long Lane, Finchley, London, N.3.

P. & R. FREUD, LTD. (P.C.).—Capital £500. Objects: To carry on business as manufacturers of ultra-violet ray apparatus, medical instruments, electrical and radio accessories, etc. Franz and Regina Freud, directors. R.O.: Clifford's Inn, Fleet Street, London, E.C.4.

J. BLACK (CHEMISTS), LTD. (P.C.).—Capital £1,000. Objects: To carry business as wholesale and retail chemists, druggists, etc. Mrs. Adeline Black and Julius Black, M.P.S., both of 51 Bury Old Road, Prestwich, Manchester, directors. R.O.: 51 Bury Old Road, Prestwich, Manchester.

C. R. MILBURN, LTD. (P.C.).—Capital £3,000. Objects: To acquire the business of a chemist and druggist carried on by the administrators of Thomas R. Milburn. Mrs. Edith M. Milburn, 21 St. Georges Terrace, 11th M. Milburn, jun., and Thomas R. S. Milburn, M.P.S., 21 St. Georges Terrace, Newcastle-on-Tyne, directors.

DILLAMORE & ROWLEY, LTD. (P.C.).—Capital £100. Objects: To acquire the business of a cork merchant carried on as "Dillamore & Rowley" by H. T. W. Tyrell. H. T. W. Tyrell, 332 Hatfield Road, St. Albans; and Edith H. Denny, 5 Baring Avenue, London, N.15, directors. R.O.: 53 New Broad Street, London, E.C.2.

FORSTERS THE CHEMISTS, LTD. (P.C.).—Capital £500. Objects: To acquire the business of a chemist, druggist and optician carried on at 11 King by Thomas W. Forster. Thomas W. Forster, M.P.S., and Lydia J. Forster, both of Fairfoss, Longbridge Road, Barking, directors. R.O.: Faircross Parade, Longbridge Road, Barking, Essex.

JEFF SURGICAL PRODUCTS, LTD. (P.C.).—Capital £1,000. Objects: To carry on business as manufacturers of and dealers in surgical, dental, medical and scientific apparatus, chemists' sundries, etc. Albert H. Jacobs, Queen Elizabeth's Walk, London, N.16; Gwladys W. Jefferies, 4 Florence Avenue, Enfield; and Thomas V. Anthony, 106 Abbey Road Mansions, London, N.W.6, directors. R.O.: 147 Farringdon Road, London, E.C.1.

GARDEN LABORATORIES, LTD. (P.C.).—Capital £100. Objects: To carry business as manufacturers of and dealers in perfumery, toilet preparations and requisites, etc. Bernard J. Nicholson, 25 Faircross, Roehampton Lane, London, S.W.15; Thomas H. Vinnicombe, 7 Mornington Close, Godford Wells, Essex; and Harold Whitehead, Red Tiles, Park Road, Woking, Surrey, directors. R.O.: 86 Carpenters Road, London, E.15.

HOUGHTONS (HOLBORN), LTD. (P.C.).—Capital £100. Objects: To carry on the business of manufacturers of and dealers in photographic appliances apparatus, etc. Edward B. Cook, Tresco, Mornington Road, Woodford Green, Essex; Edgar S. Houghton, 37 Elm Park Court, Pinner, Middlesex; Frank G. Murray, 103 Newberries Avenue, Radlett, Herts; Richard L. Clark, Wise Elms, Lane, Mill Hill, London, N.W.7; and Frederic J. Cher, 78 London Lane, Bromley, Kent, directors. R.O.: 335 Hendon Way, Hendon, London, N.W.4.

Voluntary Liquidation.—KEANS (CHEMISTS), LTD., Seacroft Parade, Croft, Leeds. A meeting of creditors was held recently at Leeds. Statement of affairs disclosed ranking liabilities of £883, against assets estimated to realise £524, or a deficiency of £360 so far as creditors were concerned. The principal asset was stock, £403, which was expected to realise £300. The issued capital of the company was £500, and there was efficiency of £860 as regarded the shareholders. The company was incorporated in November 1938 with a nominal capital of £1,000, of which £500 had been issued and was fully paid up. During the period to December 1939, the sales were £1,493, with net loss of £124; between January 1, 1940, and January 31, 1941, there was a further net loss of £530 on a turnover of £1,662. The premises were held on a five-years' lease from November 1938. A resolution was passed confirming the voluntary liquidation of the company with Mr. C. H. Baker, Leeds, as liquidator, and a committee of creditors.

SOCIETY'S PRESIDENT AT BATH

THE president of the Pharmaceutical Society (Mr. Walter Deacon) was the speaker at a meeting of the Bath Branch of the Society on March 12 at which Mr. W. W. Heseltine (chairman of the Branch) presided. Dealing with "Some Problems of Today," Mr. Deacon said one of the most urgent was how best to help pharmacists and their dependants who had been hit by the war. He described the steps leading to the inauguration of the Society's War Aid Fund, and explained why it did not clash with the War Distress Fund of the National Pharmaceutical Union. The Fund was, he said, one of the most successful ventures with which he had been associated. Appeals made to the Dominions and Colonies had met with a ready response, and Canada in particular had organised the raising of funds in each Province. Another problem was how to keep a united front in the profession; the new regulations governing reserved occupations would show drastic changes for pharmacy, making union more necessary than ever if the craft was to hold its own after the war. Not all pharmacists had proved loyal in the difficult conditions of war-time, and some had been found guilty of hoarding drugs, such as glycerin. A solution to the problem raised by interruption of work on the Society's new building was, he thought, imminent.

The "Co-op" Amendment.—One of the most urgent problems was the action to be taken in amendment or enforcement of the Pharmacy and Poisons Act, 1933. At its last meeting the Council had by a majority decided to take steps to enforce the law. He would loyally abide by this decision, although his own view was that a serious mistake was being made and that, whether the action was won or lost, there would be no gain for pharmacy. After the war an effort would undoubtedly be made to introduce a State medical service, and the medical profession had set up a committee to consider proposals; pharmacy was not represented on the committee, though it was understood that pharmaceutical interests would be consulted.

Discussion.—When the meeting was thrown open to discussion Mr. Deacon was subjected to a bombardment of questions. MR. C. H. JAMES inquired if the enforcement action was to be taken now or after the war. "Now," said Mr. Deacon. MR. E. C. HASKINS, endorsing the Council's decision to take action, said in his view pharmacy was in a strong position now and anything surrendered at this juncture would make its future precarious; protection of pharmacists, he pointed out, was one of the aims specified in the Society's Charter. The co-operative societies were quite unlikely to open numerous pharmacies. THE PRESIDENT declared that, if they had agreed to the proposed amendment, pharmacists would have been doing nothing that was against their real interests. Whatever the result, it was improbable that the "co-ops" would cease selling drugs. MR. D. I. TUDDENHAM inquired on what basis the "subsidiary part of the business" referred to in the proposed amendment was to be assessed. The requirement would surely necessitate an inspection of firms' account books and would be impossible to enforce. To establish the right to sell packed drugs would be a definite gain for the co-ops, and a corresponding loss for the private pharmacists. MR. DEACON replied that pharmacists did not qualify in order to "dole out packed stuff." The standard for the subsidiary section was laid down in definitions under the proposed amendments, the text of which had been made public. (It was later admitted that the amendments only, and not the definitions, had been published.) MR. H. LUCAS asked whether action had not been taken against pharmacists who also owned drug stores. MR. DEACON: "No." MISS A. L. STORER asked whether conscripted pharmacists would be in the Royal Army Medical Corps and, if not, why the army authorities were still appointing dispensers who did not possess the chemist and druggist qualification. The reply was that pharmacists would be accepted as such only to the extent of the Army's pharmaceutical requirements; beyond that they would be in the regular units. He could not accept that unqualified dispensers were still being admitted to the R.A.M.C., and asked for details with a view to initiating an investigation. MR. ASPELL inquired if any approach had been made by the Society to the Government to ensure that sufficient pharmacists were left in civilian life. THE PRESIDENT replied that the Council was in close contact with Government departments.

COMING EVENTS

Wednesday, March 26

GLASGOW AND SOUTH-WESTERN BRANCH, PHARMACEUTICAL SOCIETY, Lorne Restaurant, Greenock, at 3 p.m. District meeting.

Thursday, March 27

BIRKENHEAD AND WIRRAL PHARMACISTS' ASSOCIATION, Central Hotel, near Central Station, Birkenhead. Whist drive.

PHARMACEUTICAL SOCIETY OF IRELAND

THE monthly meeting of the Council of the Pharmaceutical Society of Ireland was held on March 11, Mr. P. C. Cahill (president) in the chair. Other members of the Council present were Messrs. J. Gleeson, H. P. Corrigan, J. Duggan, P. J. Fielding, B. P. Hickey, J. A. O'Rourke, J. V. McKeever, M. J. Parkes, J. K. Whelehan, and T. C. Scott. The following motion, proposed by THE PRESIDENT, seconded by MR. GLEESON, was passed in silence, all members standing: "That the Council of the Pharmaceutical Society of Ireland expresses its deepest sympathy with the relatives of the late Mr. David Meehan and Mr. Eugene Humphry O'Sullivan."

Pharmacy Act Prosecutions.—Mr. John J. Gaynor, law adviser, reporting on summonses heard at the suit of the Society recently in Limerick, stated that in one case under Section 17 of the Pharmacy Act the Justice imposed a fine of £2 with £1 costs, and in another the Justice imposed a fine of £1 with £1 costs. In the case in which there were summonses under Section 2 of the Poisons Act and under Section 30 of the Pharmacy Act the Justice imposed a fine of 10s. on the former with £5 on the latter with £1 costs on each. Total fines and costs £12 10s.

Registration Matters.—An application was received from Mr. Kieran Joseph Campbell, Ph.C., Belturbet, in connexion with the destruction of his certificate as a licentiate as the result of a fire at his premises. The Council authorised the issue of a letter with the Seal of the Society stating that Mr. Campbell was a licentiate in pharmacy. An application from Miss M. Lenihan, Ph.C., whose name was removed from the Register under Section 25, for restoration was granted. The following, who submitted matriculation certificates, were granted Preliminary registration: Misses J. Cashell, J. A. Flavin, E. M. Lawlor, E. M. McCarthy, K. O'Dowd and E. M. Ryan; Messrs. P. J. Crotty, T. A. P. McLoughlin, P. D. Drugan, T. Finegan, J. F. MacAuliffe, J. P. Moen, J. Murphy, J. J. Natin, and J. D. O'Byrne. The following changes of address were notified:—Dr. H. Bugler, M.P.S.I., from St. Anthony's Terrace, to 19 Abbey Street, Ennis; Mr. P. P. Connolly, M.P.S.I., from Kilkelly, co. Mayo, to Old Church Street, Athenry, co. Galway; Mr. W. Gannon, M.P.S.I., from Landscape, Saggart, co. Dublin, to Medical Hall, Doon, co. Limerick; Mr. G. Moriarty, M.P.S.I., from Medical Hall, Doon, to Croom, co. Limerick; Mr. J. G. O'Neill, M.P.S.I., from 108 Upper Drumcondra Road, to 10 Arran Road, Whitehall, Dublin; Miss W. Ryan, M.P.S.I., from Mount Pleasant, Loughrea, co. Galway, to 47a South Great George's Street, Dublin; Mr. E. J. Fallon, L.P.S.I., from Westport, co. Mayo, to The Royal Pharmacy Cavan; Mr. H. C. Meyrick, L.P.S.I., from 75 Claverton Street, Victoria, London, S.W.1, to The Reservoir House, Barnattin, co. Louth; Dr. L. J. Walsh, L.P.S.I., from Maghera, co. Derry, to Ballavale, Park Road North, Birkenhead; Mr. J. G. Coleman, Assistant, from Tyone, Nenagh, to 3 Cambridge Terrace, Leeson Park, Dublin; Mr. A. W. Donald, R.D., from 4 Herbert Place, Dublin, to 82 Fairview Strand, Dublin.

The REGISTRAR (Mr. J. J. Kerr) reported on the deaths of D. Meehan, M.P.S.I., E. H. O'Sullivan, M.P.S.I., E. T. Ryan, Ph.C., and T. J. White, Ph.C.

The report of the House Committee was submitted and approved.

A.R.P. Dispensing.—THE REGISTRAR reporting with regard to A.R.P. dispensing said the position was very unsatisfactory. Qualified chemists and qualified assistants were still needed for several A.R.P. first-aid posts in both the North and South side of Dublin.

The Council agreed that the registrar should issue a letter for publication in the daily newspapers appealing to pharmacists and qualified assistants in the Dublin area to volunteer for service at first-aid posts in the event of a national emergency.

Proposed Preliminary Examination Changes.—The Council then considered the form of reply to be sent to the Minister for Justice in connexion with the proposed changes in the Preliminary examination. In conjunction with this matter a motion tabled by the president dealing with conditions of apprenticeship was also under consideration. After a lengthy discussion on both matters the Council deferred further consideration to the next Council meeting, when the various suggestions put forward would be embodied in a comprehensive draft reply to the Minister for Justice.

On the motion of THE PRESIDENT, seconded by MR. GLEESON, Dr. John J. Mackey and Mr. Malachy J. O'Callaghan were re-elected examiners to the Assistants' examination for the year ending March 1, 1942.

Messrs. G. P. Davis, K. Doherty and T. B. Hopkins were elected members of the Society. The following were nominated for membership: Miss M. B. Briody, Main Street, Buncrana, co. Donegal;

Messrs. P. P. Connolly, Old Church Street, Athenry, co. Galway; M. F. Flynn, The Medical Hall, Stradbally, Leix; W. Gannon, Medical Hall, Doon, co. Limerick; E. O'Callaghan, 2 Parliament Street, Cork; and Miss W. Ryan, 47a South Great George's Street, Dublin. The Licence certificate of Nora Mary Delaney was sealed.

At a meeting of the Benevolent Fund Committee, held following the Council meeting, a grant of £50 from the Leverhulme Trust was gratefully acknowledged, and one grant passed for payment.

RECOMMENDED DRUG ECONOMIES

BRIEF mention was made in last week's *C. & D.* (Supplement p. xxiii) of the publication by the Therapeutic Requirements Committee of the Medical Research Council of a memorandum of economising in the use of drugs in war-time. The lists given differ in some respects from the provisional recommendations made in October, 1940 (*C. & D.*, October 5, p. 186), as follows:—

Essential but Demanding Strict Economy.—Drugs added to List B (essential for certain purposes but not for others, and in the use of which strict economy should be observed) comprise: acidum aceticum; acidum benzoicum; acidum lacticum; acidum nitricum; acidum oleicum; benzaminæ hydrochloridum; benzaminæ lactas; bromides; carbomalum; corpus luteum and preparations; cyclopropanum; extractum parathyroidei (and parathyroid preparation for parenteral injection); ferri carbonas saccharatus (restricit children); ferri ammonii citras and ferri subchloridum citratum (not the most economical form of iron; ferrous sulphate is cheaper); filix mas (reserve for use when anthelmintics are contra-indicated); galla; glucosum (under Government control); hydrargyrum ammoniatum; ichthammol; injectio hepatis; lactosum; laviosum; liquor vitamini A concentratus; liquor vitamini D concentratus; liquor vitaminorum A et D concentratus; magnes chloridum (reserve for veterinary use); œstradiol, œstriol, œstro; and their esters; oleum arachis; oleum gossypii seminis; oleum hippoglossi; oleum lini; oleum rapæ (reserve for external use; veterinary practice); oleum sesame; parathyroideum; pituitarium (including anterior lobe extracts); prolactin; sodii benzoas; sodii bromidum; sodii lactas (reserve for use as glycerin substitute); spiritus methylatus industrialis (under Government control); sucrosum (under Government control); tinctures (many tinctures can be replaced by concentrated preparations); urguinea (importation difficult in war-time); valeriana; zinci chloridum; zinci oleostear. Seven items, namely acidum tartaricum and its salts, ferri lactidum, jalapa, jalapæ resina, potassii tartras acidus, and quilla have been transferred to this group from Class C.

Non-essential.—To Class C (drugs not essential and which do not justify importation or manufacture for home use in war-time) the following additions are to be noted: Acetanilidum (substitutum acetylsalicylic acid or phenacetin); acetylcholine; æthylenum alcohol isopropylicum; amidopyrina; betainæ hydrochloridum; bromoformum; erythritylis tetranitras dilutus; lobelina; methi sulphonat; phenazonum; sulphonat; talcum purificatum. Regarded to this group also are magnesii sulphas, potassa sulphura, potassii bicarbonas, bromidum, chloras, citras, hydroxidum, iodium nitras and permanganas, while the following drugs previously included in the group are now placed in Class A: Adeps laniodoformum, magnesii carbonas, magnesii oxidum and ventriculidum desiccatus.

Home or Empire Production Urged.—An appendix recommending encouragement of the production in the United Kingdom of: anethem; belladonna (for root and leaf); caraway; cascagrad; chondrus (Irish moss); colchicum (for corm and seed); datura; digitalis folium; digitalis lanata; ergota; filix mas; fenicolum; gentiana; glycyrrhiza; hamamelis; hyoscyamus; lobelia; mentha piperita; psyllium; pyrethri flos; seaweeds; the production of iodine and sodium alginate; sphagnum (peat moss); stramonium; taraxacum; valeriana.

Encouragement is also recommended of the production in the British Empire of acidum tartaricum; agar (*Gelidium amansu*); *G. cartilagineum* and other allied *Rhodophyceæ*; balsamum tanum; benzoinum; calumba; camphora; cantharis; cascagrad; chrysarobinum; cinchona; coca; colophonium; creotum; datura; derris; ephedrina; ergota; gentiana; glycyrrhiza; hamamelis; hyoscyamus muticus; ipecacuanha; jaboran; krameria; lobelia; menthol; mylabris (*Mylabris sida*, *M. cich* and *M. pustulata* for production of cantharidin); oleum amygdali; oleum anisi; oleum cadinum; oleum chenopodii; oleum limonis; oleum menthae piperitæ; oleum terebinthinæ; psyllium; rheum; santonium; scilla; styrax; thymol; and tragacanth.

TRADE NOTES

MEETING THE RAZOR-BLADE SCARCITY.—A popular-priced apparatus for using used razor blades is advertised on another page under the name "ik-stop" by Griffiths & Associates, Ltd., 1-3 Earl Street, Bristol.

"TWO-WAY-STRETCH" SURGICAL HOSE.—Inquiries from chemists for forms and literature about Academic brand surgical hose, made with stex yarn, are invited by Academic Depot, 156 Oxford Street, London.

CHANGE OF SALES POLICY.—A change of policy in the distribution of mestrol by the makers, Glaxo Laboratories, Ltd., Greenford, Middlesex, in concert with the manufacturers of other stilbæstrol preparations, is announced elsewhere in this issue. The effect of the change is that the new prices are lower than those previously prevailing.

PERFUMERY QUOTA EXHAUSTED.—It is made known in an advertisement by Bourjois, Ltd., 36 Grove Road, Sutton, Surrey, elsewhere in this issue, at their quota for the present period (ending May 31) has been entirely sold, and that no further orders can be accepted before June 1. Retailers are recommended to obtain Bourjois goods from wholesale houses, where there is a "reasonable probability" that stocks are still held.

PRICE REVISION.—Owing to heavily increased costs, the retail price of unipped foot cushions is being advanced on April 1 by the makers, International Foot Appliances, Ltd., 92 Baker Street, London, W.1, who point out that the appliances are free from purchase tax. A new leaflet and onwards have been prepared and an extensive advertising campaign to be launched in April. Supplies of the showcards and leaflets can be obtained from the makers on request, as well as a model foot made in plaster of Paris and dressed with an actual foot cushion.

TREATMENT OF OXYURIASIS.—Oxylan (*p*-benzylphenyl carbamate), for the treatment of oxyuriasis (threadworm infestation) in children and adults, has recently been added to the range of products issued by Burroughs Wellcome & Co. Designed to replace a preparation of foreign origin, it is claimed to offer advantages over antemonin, oil of chenopodium and other anthelmintic agents in common use, in that it is free from undesirable side effects, is readily tolerated by children, and destroys the parasites *in situ* instead of merely paralysing or dislodging them. The product is issued as Tabloid Oxylan, gr. 7½, in bottles of twenty and 50, the smaller packing being sufficient for one adult course.

Business Changes

UNITED PHARMACIES, LTD., have removed to 16 St. Helens Place, London, E.C.3. Telephone: National 4360.

MR. T. S. WIDDOWSON (Wright, Layman & Umney, Ltd.) has removed to 59 Lakeside Drive, Bromley Common, Kent.

MR. E. W. RICHARDS, M.P.S., chemist and optician, Swansea, whose business was recently destroyed by enemy action, is reopening shortly at Alexandra Road.

Proprietary Articles Trade Association

Additions and Alterations. Protected List.—*Chateau Products* (agents, *Spencer & Co.*)—Minimum quantities of one dozen, which may be assorted, are subject to 5 per cent. discount to retailers for monthly settlement. *Evans Sons Lescher & Webb, Ltd.*—Medisoaps, Nos. 10, 18, 19: 3d., 9s. 9d. doz., plus purchase tax of 3s. 3d. doz. Retail price, including tax, is 6d. *A. F. Sherley & Co., Ltd.*—£3 orders and upwards, subject to 10 per cent. and a further 2½ per cent. for cash within thirty days. Parcels made up to suit customers' requirements; orders may include Lintox.

DEATHS

GILMOUR.—As was briefly announced in last week's *C. & D.* (Coloured Supplement, xxiii), the death occurred on March 10 of Mr. James Pinkerton Gilmour, M.P.S., formerly editor of the "Pharmaceutical Journal."

Mr. Gilmour was born in Glasgow in 1860, and in early life was taken by his parents to Queensland, whence he returned in 1875. He began a seven years' apprenticeship to Mr. Joseph Clark, chemist and dentist, in 1879, and on its termination became an assistant to Mr. Alexander Kinninmont. Experience at the Victoria Hospital, Glasgow, led up to qualification as a chemist and druggist in 1899; four years later Mr. Gilmour commenced business on his own account. While carrying on a pharmacy he engaged extensively in public work. He served for a time on the Council of the Pharmaceutical Society; he was also chairman of the North British Executive and of the Society's Board of Examiners for Scotland, a member of more than one Pharmaceutical Committee, a vice-president of the Glasgow and West of Scotland Chemists' Association, a member of the Council of the Proprietary Articles Trade Association, and a director of the Chemists' Defence

Association. During the same period he was a frequent contributor to the pages of *THE CHEMIST AND DRUGGIST*. In 1916 Mr. Gilmour was appointed editor of "The Pharmaceutical Journal," a position he held till his retirement in 1933. He gave numerous lectures and addresses, and occasionally took part in the proceedings of the British Pharmaceutical Conference. Endowed with an equable temperament and ready humour, he made friends everywhere he went, and a conversation with him was always enjoyable. When he retired, an eloquent tribute from the pen of Mr. Herbert Skinner appeared in our columns (*C. & D.*, 1933, 1, 224).

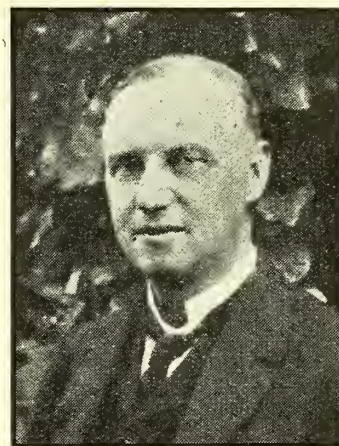
TAYLOR.—On March 3, Mr. Thomas Morley Taylor, Ph.C., 270 West End Lane, Kilburn, London, N.W.6, aged seventy-one. Mr. Taylor was secretary of the Western Pharmacists Association for several years and president in 1929 and 1930.

THE LATE MR. W. G. HYDE

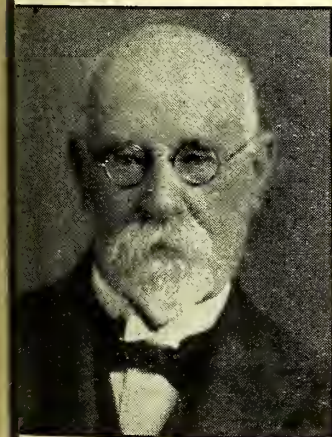
THE passing of WILLIAM GRANTLEY HYDE on Wednesday, February 26, has deprived the fine chemical industry in this country of one of its oldest and most outstanding personalities, at a time when the loss of a man of his sage judgment and knowledge of the industry could be ill afforded. Mr. Hyde commenced his long and useful business life, which was destined to continue for upwards of fifty-eight years, as a technical apprentice with Johnson & Sons at Cross Street, Finsbury. During his twelve years' association with this old-established firm he specialised in the treatment of ores and in the manufacture of cyanides. In 1895 Mr. Hyde joined May & Baker, Ltd., whose works were then at Garden Wharf, Battersea, and there began his long and successful association with the business. The position offered ample scope for his remarkable talents, and he applied himself with great diligence and energy to the advancement of the company whose manufacturing operations were then on a comparatively small scale.

The manufacture of fine chemicals was in its infancy in England at that time but Mr. Hyde, by his exceptional capacity for grasping the essentials of any problem that confronted him, soon took his place in the front rank of the giants of his day, a sphere of influence he retained until his death. After some time he became Secretary of the company of which he later became a director and finally Chairman of the Board. He piloted the company's fortunes through the early and very difficult years of the chemical industry which, before the last war, was contending with the most formidable opposition from the subsidised and powerful German chemical and dye trusts. There are few members of the present staff of May & Baker, Ltd., who remember his coming to the firm, but there are a number who, having had the pleasure of working under him for upwards of thirty-five years, recall with pride his tireless efforts to advance the company's business and to lay the foundation for its remarkable development in recent years. These old employees and, indeed, those of fewer years' service, tell of Mr. Hyde's faultless memory and his wide and thorough knowledge of the ramifications of the industry. He possessed the gift of inspiring and commanding loyal service, and his charm, tact and calm mien were calculated to bring out the best in those who worked for him, and whose interests and well-being were his constant study. Mr. Hyde was always ready to place his vast business experience at the disposal of all who sought it, and his charming manner endeared him to all with whom he came in contact.

His lifetime saw the birth of the many associations and trade organisations which are now such a feature of the chemical and pharmaceutical trades. On many aspects of the trade he was an authority—and a veritable mine of information; in particular, for his knowledge on bismuth, iodides and bromides questions, he was internationally renowned. To all deliberations he brought a wise understanding of the outstanding problems and a sincere desire to achieve the greatest good for the trade as a whole. His aim for the industry was co-operation, and no negotiations were too long or too difficult for him to conduct, if the interests of the industry might be advanced thereby. Mr. Hyde was immensely proud of his firm's contributions to chemotherapy, and he looked forward to the day when the long-held German monopoly of this branch of medical science would be broken, not merely for the present, but for all time.



MR. W. G. HYDE



MR. J. P. GILMOUR



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RECENT RESEARCH

A New Cosmetic Base.—A synthetic emulsifying base, 2-methyl-2-amino-1, 3-propanediol-CH₃C (CH₂OH)₂NH₂, introduced under the name "amino-glycol," is described in "Drug and Cosmetic Industry" (January, p. 31). Amino-glycol is a yellowish-white crystalline product, odourless and freely soluble in water. Up to 250 parts can be dissolved in 100 parts of water, producing a water-white solution of low alkalinity (pH of tenth-molar solution, 10.78). It does not take up moisture from the air, though it absorbs carbon dioxide. The compound is soluble in alcohol, but not in mineral oil; 105 parts combine with 284 parts of pure stearic acid, 282 parts of pure oleic acid, etc. One part of potassium hydroxide, 85 per cent. pure, is replaceable by 1.6 parts of amino-glycol.

Silver Antiseptics with Ephedrine.—Silver compounds are employed for their antiseptic properties in infections of the eye, nose and urinary tract. Usually compounds of silver with proteins are employed in order to eliminate or reduce to a minimum the irritant properties of the metal. Slessor and Jordan ("Journal of the American Pharmaceutical Association," xxix, 12, 514) have studied the possibility of devising a suitable combination of a silver compound with ephedrine. Emulsions of silver oleate, palmitate, stearate, oxalate and succinate, with and without ephedrine, were prepared and found to display reasonably good penetration. Storage in amber bottles delayed the time of darkening of the emulsions. The stability of mixtures containing ephedrine and silver was found to be increased by the addition of a third substance, such as gelatin, acacia, sucrose, urea or combinations of any of them. The effect appeared to retard rather than prevent reduction of the silver. The addition of a reducing substance as a stabilising agent was considered unsatisfactory; addition of an oxidising agent, e.g., quinone, also seemed to hasten reduction of the silver. In the course of the investigation three new soluble silver salts having antiseptic properties (oleate, stearate and palmitate) were prepared, while sulphonation of a silver salt with an aromatic acid was accomplished. A combination of silver oleate with quinine was secured by refluxing the two materials in methyl alcohol.

PARLIAMENTARY NEWS

Medical Training in U.S. and Canada.—The Minister of Health (Mr. Ernest Brown) expressed appreciation in the House of Commons, on March 6, of an offer by the Rockefeller Foundation, New York, to undertake and provide for the clinical training and maintenance of selected British medical students in a number of medical schools in the United States of America and Canada. He would certainly do all he could to further the scheme, he declared.

Preserving Trade Rights of Redundant Firms.—On March 12, Sir S. Reed asked the President of the Board of Trade whether, when the business of a redundant firm was taken over by a nucleus firm, the proprietors of the redundant firm would not only retain their trade name and goodwill, but the distinctive character of their branded goods, so that the value of their past enterprise and marketing skill might not be impaired. The reply was that a transfer of the right to manufacture branded goods was a matter for negotiation between the parties. The transferor would no doubt have in mind the object referred to in coming to terms with the proposed nucleus firm.

INFORMATION WANTED

Postal or telephone information with respect to makers or first-hand suppliers of the undermentioned articles will be appreciated:—

THM/1.—Importers of American and Chinese vacuum flasks.

AH/3.—Moleculin—makers or agents wanted.

THE CHEMIST AND DRUGGIST

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circulates throughout the Pharmaceutical, Chemical, Drug, Essential Oil, Perfumery, Cosmetic, Toilet Preparation and allied Trades and Industries in Great Britain, Eire, The British Empire and all foreign countries

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The Council Takes Action

Last, after years of discussions and negotiations, the Council of the Pharmaceutical Society of Great Britain has decided to proceed with the enforcement of the Pharmacy and Poisons Act, 1933, against the co-operative societies, according to a resolution passed at the meeting on March 5 (*C. & D.*, March 15, p. 156). It would appear that all attempts at compromise by interested bodies having failed, the Council, by a majority decision, is now prepared to proceed in the way desired by the Society's members. Which councillors are not in favour of enforcement is not divulged, though clues may be gained from the replies to the questionnaire recently sent out by THE CHEMIST AND DRUGGIST (*C. & D.*, February 15, p. 93). Addressing chemists at Bath on March 7 (see p. 183), Mr. Deacon stated that he personally thought the proposed amendment, with safeguards, should have been accepted, but assured his audience that he would loyally abide by the decision now reached. The Secretary apparently holds similar opinions to the president, since he urged at Birmingham recently (*C. & D.*, March 15, p. 157), that the amendment should be accepted and improved as the only practicable way of reasonably curbing the extension of the drug business by the co-operative societies.

The action foreshadowed is likely to result in one of two things—either the co-operative societies will reorganise and comply with the Pharmacy and Poisons Act or Parliament may pass an amending Bill regularising the position as it stands at the moment. The former procedure is the only one acceptable to chemists and it is the proper way of terminating a Gilbertian situation which has lasted too long. To pass a Bill stabilising the present state of affairs is wrong in principle, and chemists must be prepared vigorously to oppose any proposition of this nature. If, as Mr. Deacon said at Bath, the Government is solely concerned with winning the war and the production of food, it should have no time for producing legislation that would be not only contentious but for the benefit of the trading interests of a comparatively small section of the community.

Having made up its mind on the action to be pursued over the co-operative societies, there is another and equally important matter demanding attention. Suggestions have been made that after the war the whole question of the sale of drugs should be the subject of an inquiry. Such an investigation is badly needed and is likely to become no less urgent when the proposals regarding the Medicine Stamp Acts become public. Secrecy continues to shroud the negotiations on this matter, yet it is one which concerns every chemist in business. We trust that no "cut and dried" plan will be assented to by pharmacy's democratic rulers and presented to the Chancellor of the Exchequer before chemists are acquainted with the proposals. The future of pharmacy appears to be in the melting pot and the predominating need is for action.

Canteen Cosmetics

ACCORDING to reports in the daily Press the Navy, Army and Air Force Institutes throughout the country are now stocking cosmetics for sale to the women's auxiliary branches, such as the A.T.S., the W.R.N.S. and the W.A.A.F. It is stated that experts have advised the Institutes what brands and types of cosmetics they should stock. This development in catering for the Forces will need careful watching; it may spread to any and every kind of merchandise, with the Institutes becoming universal providers. We do not know what are the conditions of purchase of stocks of cosmetics; do the Institutes pay the same price as is charged to retail shopkeepers or are they given special terms, for we appreciate some manufacturers would be anxious to have their goods on sale in these privileged quarters?

Under the Third Schedule, Part I, of the Limitation of Supplies (No. 5) Order these goods may be supplied in unlimited quantities to N.A.A.F.I. without restriction. We have been told in no uncertain manner that the object of the Order was to release plant, materials and labour used in non-essential industries for more important work. Yet, under this exception manufacturers may supply to N.A.A.F.I. a total of goods greater than that sold in normal times. There is the danger that girls in uniform may be buying powder, creams, rouges, etc., at the canteen for their friends and families. It simply means that a large percentage of the trade may be transferred from the retailer, whose supplies through his wholesaler are severely restricted, to the Forces canteens who will enjoy unlimited supplies. Everyone is aware that chocolate and confectionery is freely on sale at the Forces canteens, but there has been precious little in retail shops. Are we to experience the same unfair conditions in cosmetics? Just as we go to press the Board of Trade has issued a notice (Ref. 408) removing from the Third Schedule mentioned above the N.A.A.F.I. This cancels the authority for the Institutes to be supplied with unlimited quantities of these goods, but the notice adds: "An open licence has been granted allowing unrestricted supplies to the Institutes of articles covered by Classes 1, 3, 4, 6, 7, 8, 9, 10, 11, 13, 16 (perfumery, toilet preparations, cosmetics, etc.) and 17 of the Order. This notice does not appear to alter the position in any way; the Institutes are still to be supplied with unlimited quantities of these goods while supplies to retailers will be cut to 25 per cent. in value of former supplies, which, in quantity, will mean about 17 per cent.

We submit that the N.A.A.F.I. canteens were organised to provide foodstuffs, particularly hot meals, for members of the Forces who could not leave their quarters to get meals and refreshments elsewhere. The Institutes have many privileges, such as freedom from rent, taxes, etc., and their encroachment into retail trade in classes of goods which are right outside the sphere of their proper activities, and which can be purchased by members of the Forces at their leisure when off duty, should be resisted. There is no case here of meeting the needs of the inner man, or as it is in this instance, of the inner woman, which is the sole purpose of N.A.A.F.I.

Defence in Depth on the Drug Front

IN our issue of October 12, 1940, we reviewed certain economies in prescribing recommended by the therapeutic requirements committee of the Medical Research Council. The list as recently issued by the committee (see p. 184) incorporates a number of modifications which reflect the increased stringency of the shipping position. In addition to the grant of authority to replace potassium salts with the corresponding sodium salts (previously they were in the class of drugs to be used with economy but for which valid uses were recognised), two important items have been added to the group which, it is suggested, are not essential and do not justify importation or manufacture for home use in war-time. They are Epsom salts and sulphurated potash. Moreover, it is noteworthy that acetic, lactic and nitric acids, all bromides, certain hormone substances (e.g., corpus luteum), arachis oil (the authorised substitute for olive oil in certain official preparations) and even the vitaminised oils introduced to replace cod liver oil, are among the drugs in the use of which strict economy is enjoined.

The drugs listed in an appendix to the memorandum as deserving encouragement in cultivation, either at home or in the Empire, are worthy of examination because they include some that at first glance might appear unsuitable for development. No indication is given in the appendix of any machinery capable of giving effect to the recommendations. It is to be hoped that the initiative will be taken in official quarters, which alone are in a position to see that any efforts made to increase cultivation are adequately rewarded whether the war should be long or short.

PROGRESS IN STERILISATION

A MEETING of the Pharmaceutical Society was held at 17 Bloomsbury Square, London, W.C.1, on March 13, when Mr. H. Berry, B.Sc., Ph.C. (dean of the Society's College), gave an address on "Developments in Pharmaceutical Practice." Mr. F. G. Wells (vice-president), who was in the chair, apologised for the absence of the president (Mr. W. Deacon). The main points of the address were:

Sterilisation of Atmospheres.—The problem of the sterilisation of air has been interesting bacteriologists, public health authorities, and various industries for nearly one hundred years. The problem has been twofold, (a) to sterilise the atmosphere and surfaces in a room in the absence of individuals—this can be done with vapours of formaldehyde, sulphur dioxide, phenol or creosol, but no individual could withstand such an atmosphere for even a few seconds; (b) to sterilise an atmosphere and to maintain its sterility without rendering it toxic to human beings or animals. It is the latter problem which is of main interest. Lister, in 1871, tried to produce a sterile atmosphere in the operating theatre with his carbolic spray, but later abandoned it as it was not effective except in such a high concentration as to make it intolerable to breathe.

There are two main types of air infection, one in which bacteria are dry, and are generally associated with dust particles. In this case the flora can be very mixed, and consists mainly of non-pathogenic aerobes, but may contain such pathogens as hæmolytic streptococci and anaerobes such as tetanus and the gas-gangrenes. The other type of infection is in the form of droplets enclosing organisms expelled from the respiratory tracts of humans and animals. If the persons are healthy there is no cause for anxiety, but the presence of anyone suffering from respiratory disorders means the possible presence of droplets containing pathogenic bacteria and viruses, the inhalation of which by healthy individuals may result in infection. It is now fairly well recognised that this is the mode of infection in most respiratory infections. The air in sanatoria has been shown to contain living tubercule bacilli, and that of fever wards to have the causative streptococcal organism present.

A solution to the problem lay dormant until recently, when Trillat introduced a new method by using solutions of bactericides in the form of aerosols as air-sterilising agents. The term aerosol is used to include a disperse liquid phase in a gaseous (air) continuous phase, the size of the disperse particles being of colloidal dimensions, or approaching that size (0.25–1.0 μ), i.e., a very fine mist. Many powerful bactericides usually credited with high R-W. values such as amyl-*meta*-cresol, *o*-phenyl-phenol, chloroxylenol, have proved very disappointing as aerosols. On the other hand some substances, such as resorcinol, proved very efficient when properly formulated in solution, and the latter used as an aerosol. The most effective preparation so far found is 10 per cent. hexyl resorcinol in propylene glycol, and containing 0.05 per cent. of potassium lauryl sulphate. Some results obtained by Twort against a coccus are shown in the following table:—

Bactericide	%	Diluent solvent	Approximate mean % number of survivors after one hour of exposure to mist concentration 1 in 100 $\times 10^6$ air
Benzyl cresol	10	Ethylene glycol	2.26†
" "	10	Cyclohexanol	0†
Amyl- <i>meta</i> -cresol	10	Propylene glycol	53.32
Chloroxylenol	10	Propylene glycol	17.42
Hexyl resorcinol	50	Ethylene glycol	0.42
" "	10	Propylene glycol	0.20
" "	10	Propylene glycol—0.05% lorol	0.11
Aeryl*	100	—	1.39

* Too irritating for use. † Resorcinol 45, glycerin 7, water 48, dye, trace.

It will be seen that formulation and the type of solvent play an important part in ensuring efficacy. Kills with the hexyl resorcinol preparation have been obtained in a concentration of 1 gm. of substance in 3×10^{12} c.c. of air. Hexyl resorcinol and resorcinol are, however, too expensive for large-scale work, but a cheap and very effective substitute is sodium hypochlorite. Andrewes finds that 5 c.c. of a 0.5 to 1 per cent. solution sprayed into the air will rapidly kill 95 per cent. of hæmolytic streptococci, influenza virus, and other organisms suspended in the air in a room of about 1,000 cu. ft. capacity in ten to fifteen minutes. If properly atomised this quantity of solution should last in that size of room for thirty minutes. If there is much loss through ventilation it may be necessary to atomise continuously. In this concentration hypochlorite mists are not unpleasant. Unfortunately, they attack metal and should not be used in the vicinity of electrical equipment. They may also bleach fabrics.

Organisms enclosed in droplets are fortunately very susceptible to bactericidal mists, and they happen to be the main target. Bacteria on dust or on surfaces are not so readily killed. The size of the aerosol particle is most important. As the size increases its persistence in the air, and therefore its efficiency, diminishes. Many advertised sprayers are of little value because of this. Many advertised solutions are also of little value for the main object, although they may have a value in spraying empty shelters, and killing organisms on the walls and floors. The design of spraying machine is important. Hand-operated machines are usually too fatiguing and power-driven ones are recommended. All operate on the perfume spray principle with a baffle plate to catch and restrain the large droplets. Hypochlorite solutions cannot be used in metal sprayers. Chloramine-T solutions are effective, but tend to clog the machine by depositing solid matter. A circular issued by the Institute of Medical Research recommends the use of 1 per cent. sodium hypochlorite solutions, and gives details and dimensions of a simple box sprayer operated by a power or a foot pump. Whilst the main target is droplet infection, it is obviously impossible to get a kill so instantaneous as to prevent infection by what may be termed project inoculation, whereby the uninfected person receives infection in the matter of a second from an infected cough or sneeze. This can only be prevented by masking the infected persons.

Sterilisation of Injections.—Much work has been done since sterilisation methods were laid down by the B.P., 1932, and certain conclusions can be drawn. The processes of autoclaving and filtration can be accepted unchanged, the former possessing a large margin of safety and easily operated, and the latter recognised as an invaluable process in the hands of skilled operators, but liable to be dangerous unless thoroughly understood. There remain tyndallisation and the "emergency" method, neither of which can be deemed satisfactory. The first Addendum recognised the unreliability of the process by altering the method to one requiring aseptic precautions, and thus detracting from its practical value. Moreover, it is very doubtful if it fulfils its main purpose of economy of heat treatment, for three hours' heating at 80° C. with the period of heating and cooling is possibly more destructive than steaming for thirty to sixty minutes. The "emergency" method, too, has not proved satisfactory, as 0.5 per cent. phenol is not sufficiently bactericidal.

Work has been done on a search for bactericides to replace 0.5 per cent. phenol that would (1) kill resistant sporing organisms in reasonable time at steaming temperature; (2) be stable towards heat and compatible with medicaments; (3) be relatively non-toxic to man and animals. Two substances promise to fulfil these conditions, namely 0.2 per cent. chlorocresol and 0.002 per cent. phenyl mercuric nitrate, as they are effective killing agents at 90° to 100° in thirty minutes, even when the solutions are grossly contaminated with resistant spores. Neither appears in the concentrations specified in the quantities usually injected to be more toxic to animals than 0.5 per cent. phenol. Many substances will withstand steaming for thirty minutes, and yet not autoclaving conditions, and the inclusion of either of these bactericides in preparations appears to afford a solution to the problem. The method can be applied to morphine and cocaine salts, solanaceous alkaloidal salts, strophanthus and digitalis glycosides, procaine, etc. Care must be taken when preparing solutions sterilised by this method are intended for intravenous injection the volume dose may be large and a toxic dose of the bactericide might be given. It will be necessary to limit the method to injections whose volume dose is small. This means that generally the perfused fluid type of injection (salines, etc.) cannot be made by this method. There still remain other problems to be solved, (1) to devise methods for ensuring the sterility of solutions of such drugs as ergotoxin ethanesulphonate, neosarsphenamine, etc., which are too unstable to be even filtered and at present are just dissolved in sterile water and injected immediately; (2) to devise a method for sterilising solid medicaments such as procaine hydrochloride, intended for intrathecal injection in serum solution. The problem of apyrogenic water for intravenous injection has received much attention, and good practical methods have been devised to produce it. For ordinary injections water from a tinned copper still is quite suitable.

Multiple-dose Injections.—The packing of injections in multiple-dose containers provides most of the worries connected with the preparations because of the fear of reinfection with the hypodermic needle. Dispensers are strongly urged not to neglect the precaution of adding a bacteriostatic agent no matter what the circumstances may be. If for some reason it cannot be done, then the preparation should be ampouled in single doses. The inclusion of the antiseptic is not, however, the end of the anxiety, for the question of storage arises, and one of the main causes of trouble can be the rubber stopper. The quality and type of the rubber is very important. The following

ve been known to happen when solutions are brought into contact with rubber:—(a) A drop in pH from 6.5 to 3.0; (b) discoloration of morphine salts to be hastened; (c) decoloration of an oxidation-reduction indicator; (d) adsorption of methylene blue; (e) absorption of phenol and chlorocresol from solution. In one case of a morphine hydrochloride solution supposed to be protected with 0.1 per cent. chlorocresol very little protection was left after twelve months, the chlorocresol having been absorbed into the cap. Moreover, the rubber had shed solid particles large enough to cause an embolism if an intravenous injection been given.

It is not easy to lay down specifications for a pharmaceutical rubber. It is a poor policy to economise on the quality of the rubber. There should be no necessity to protect such a rubber from air by a coat of wax or varnish. The quality should be tested by auto-oxidation, any change in appearance and loss of tensile strength and tensibility being noted. All caps, after being well boiled, should be stored in the antiseptic used so that they may become saturated.

Stability of Medicaments.—A knowledge of the stability of medicaments, particularly those potent ones used in parenteral injections, is important. It not only determines the duration of heat treatment the medicament may receive during a sterilisation process, but it also determines the length of time and conditions during which it may be stored and still retain its activity. The Pharmacopœia contains such contrasts as neocarsphenamine, the stability of whose solutions is a matter of minutes, and strychnine hydrochloride, which will remain active for years in aqueous solution. Of all the factors influencing stability probably the pH is most important, especially in respect of such medicaments as adrenaline, insulin, pituitary, apomorphine and morphine salts, ergotoxine ethanesulphonate, etc., where the effect of alkali is the inactivation of the substance as distinct from the precipitation of a base.

It is not generally realised, however, that when isotonic dextrose solution is autoclaved (or stored for long periods) the pH drops from about 6.0 to 4.3, and as such is given intravenously in large quantities. Criticism on this so far has been mild, as it may well be that the blood can withstand even this treatment, but patients whose

alkaline reserve is small might show symptoms of acidosis. When the route of injection is subcutaneous or intramuscular into the tissues, the local pH is bound to be disturbed with solutions of 2.5–3.0 pH, pain and possibly some necrosis being caused. Unless this is unavoidable, it is not a tribute to our pharmaceutical skill in design of the preparation. Sometimes the optimum pH for pharmacological action is quite different from the pH of heat-sterilised unbuffered solutions, as in the case of procaine, where the former is about pH 8.0 and the latter about pH 4.0. Procaine at pH 8.0 is not very stable, but what are the pharmaceutical ethics on the point? The formula proposed in a pharmacopœial report for injection of procaine and adrenaline, and containing 0.1 per cent. of sodium metabisulphite, commences at a pH of about 4.5 and without heating drops in about three weeks to a pH of 3.0. The cause here is the metabisulphite, a 0.1 per cent. solution of which in ampoules or open containers may ultimately reach a pH of 2.6. Should these conditions be accepted?

The subject is too big to deal with exhaustively here, and before judgments can be formed much more work must be done on stability and data accumulated.

Discussion.—In answer to a question on the use of sodium hypochlorite solution for disinfecting gas masks Mr. Berry said this was not advisable, and recommended that the phenolic (chloroxylenol) type of disinfectant or 2 per cent. formalin solution should be used. In reply to a question regarding the risk in using non-sterile injections, he said that there was a great risk, especially in the case of intrathecal injections where the defensive mechanism of the cerebro-spinal fluid is not as high as in the case of the blood.

MR. C. W. MAPLETHORPE, proposing a vote of thanks, congratulated Mr. Berry on his topical lecture and suggested subjects for further consideration, e.g. pharmaceutical filtration. He had found that the time required in an autoclave for sterilisation could be considerably reduced from the usually accepted time. MR. G. R. BOYES seconded the vote of thanks. MR. WELLS then announced that this was the last of the season's meetings and thanked all who had supported them. If conditions permitted, similar meetings would be fixed for next season.

CHEMISTS' AND DRUGGISTS' SOCIETY OF IRELAND

THE annual meeting of the Chemists' and Druggists' Society of Ireland was held in Belfast on March 5, the president (Mr. Fred Grey) in the chair. Also present were Messrs. James Macauley, McQuitty, E. J. Roberts, H. Johnston, C. Abernethy, W. Martin, Nevin, W. J. Gibson, E. A. Richey, Thomas McDowell, A. E. Davis, Talbot, R. Young, A. K. Dobin, F. J. Boyle, J. J. Hannawin, E. L. Mahinch, and J. F. Grimes, J.P., Pomeroy.

Secretary's Report.—MR. MACAULEY (secretary) reported that 10 new members and seven associates had been elected during the year; the death of Mr. S. Orr, Lisburn, was regretted. The finances of the Society were sound. On the Pharmaceutical Council they are still represented by Messrs. S. Gibson, J.P., J. F. Grimes, J.P., and W. Martin, assisted by Mr. C. Abernethy as pharmaceutical representative. The Society had three representatives on the Chemists' Benevolent Fund committee: the president, Mr. Martin, and Mr. S. Nevin. On the Chamber of Commerce they were actively represented by Mr. Storey. To deal with purchase tax and supplies limitation, a wholesale committee had been set up, and they are looking forward to its help in surmounting the many problems arising. No candidate had qualified during the year for the Haslett Memorial medal. MR. W. J. GIBSON submitted the financial statement.

President's Address.—Moving the adoption of both reports THE PRESIDENT said the year had been anxious and trying. Last year he had warned them that there were hard times ahead, and that any of their supplies would be rationed and controlled, coming as they did from the seven seas. They must look forward to further tribulations. The Benevolent Fund, he went on, was being managed by a representative and competent committee, and the capital was being gradually increased. The Belfast and Derry ladies' committees served gratitude for their generous help. During the year, the Society had recognised the good work done by their secretary, and had made him and Mrs. Macauley a presentation. MR. H. JOHNSTON seconded, and the reports were adopted.

Resolution to Continue.—THE SECRETARY submitted a report to the Committee on a resolution sent from the last annual meeting about the Society's future; all the committee, with the exception of one member who did not vote, had favoured continuance of the Society.

THE PRESIDENT said in his opinion the Society, which had done a great work for the drug trade in the old days, would have plenty of

opportunities for continuing the old tradition in the days that lay ahead.

MR. ABERNETHY said that at least four people had suggested to him the advisability of winding up the Society, and he was in entire agreement. They were not getting any young blood in the Society, and it seemed to him that it belonged entirely to the past, because it was composed entirely of the older men, a good few of whom had retired from business. The Ulster Chemists' Association was looking after the bread and butter end and the Pharmaceutical Society the legal end of their business, so he did not think there was need for the Chemists' and Druggists' Society any longer.

MR. RICHEY supported Mr. Abernethy.

MR. JOHNSTON said he was in total disagreement with this view. When they looked at the work that the Society was doing through the Chamber of Commerce and other such bodies they would see how inaccurate that suggestion was.

MR. BOYLE supported Mr. Johnston.

MR. GRIMES said he had been surprised that it was even mooted that the Society should be strangled after all it had done for chemists. That, he thought, was rank ingratitude, for the members of the trade owed more than they could ever repay to the prudence and foresight of the pioneers who had done so much to make that organisation a power for their good. He was satisfied that it would perform useful service again.

The report was adopted, Messrs. Abernethy and Richey dissenting.

Officers.—On the motion of MR. JOHNSTON, seconded by MR. NEVIN, the president was re-elected for his twenty-first term of office. Both paid high tributes to him.

MR. STOREY said he appreciated deeply the honour done him.

Messrs. Samuel Gibson, J.P., who has been *Treasurer* for over half a century, and James Macauley, *Secretary*, were also re-elected. The other officers were also reappointed as follows: *Committee*: Messrs. W. T. Gordon, J. Guthrie, R. A. Jamison, W. Martin, J. A. McRoberts, W. J. McKee, A. W. Stevenson, D. A. Taylor, R. McBirney, T. Unsworth, H. McQuitty, A. E. A. Davis, J. Gray, F. B. Donaghy, E. J. Roberts, F. Boyle, H. Johnston, W. J. Busby, and E. A. Richey; *Auditors*: Messrs. W. Martin and E. J. Roberts; *Representative to Chamber of Commerce*: Mr. Storey; *Representatives to Benevolent Fund*: Messrs. W. Martin and S. Nevin; *Vice-presidents*: Messrs. F. T. Smith, W. E. Wilson, J. F. Grimes, S. Nevin, and C. Abernethy.

TRADE REPORT

Spot quotations recorded for pharmaceutical chemicals, crude drugs and essential oils represent the prices for wholesale quantities of standard quality. C.i.f. quotations do not include marine war risk insurance and other abnormal charges payable in the present emergency.

28 Essex Street, W.C.2, March 19

THE demand in most markets has been rather slow, buyers generally confining purchases to immediate needs. Fair interest has been shown, however, in some items. Prices remain firm, a number of chemicals being in short supply. Business in PHARMACEUTICAL CHEMICALS is on a moderate scale, with quoted values maintained. ACETANILIDE is moving fairly well at steady rates. BARBITONE and SODIUM BARBITONE again show a firmer tendency. Supplies of CAFFEINE are short and high prices are being asked. Demand for LACTIC ACID and LACTATES is on a good scale. Values of MERCURY IODIDES are steady at the recent reduction. Makers of METOL, AMIDOL and HYDROQUINONE notify increases in prices, together with wider profit margins for re-sale (see PHOTOGRAPHIC CHEMICALS).

Crude Drugs

A fair demand has been experienced for a number of products in these markets, but trade generally has been on the slow side. Prices of most goods are firm. A fair spot demand continues for AGAR, but stocks are now small; it is reported that new licences have been granted for importation for bacteriological purposes only. Little CURAÇAO ALOES appears to remain on spot, and holders are firm in their views. Demand for ANTIMONY continues on a fair scale. New-crop BUCHU is quoted for shipment. Forward prices for CARDAMOMS continue to be quoted at higher levels than those for spot goods. Reports indicate that the outlook for the 1941 CASCARA SAGRADA collections is poor. The upward movement in CLOVES continues. An order fixing a maximum price for COCOA BUTTER has been made by the Minister of Food; the price is stated to take into consideration the recent increase in the price of raw cocoa. A better demand is noted for COLOCYNTH. GINGER is firm, with all spot descriptions at nominal prices. Chinese MENTHOL has met with an excellent demand, but Japanese appears to be in small request. It is reported that the Ministry of Supply will shortly be making arrangements for controlling the importation and distribution of MERCURY. Values of PEPPERS show a further advance. Higher prices are quoted in all positions for RUBBER.

Essential Oils

Business continues on a rather limited scale, with most orders for small spot quantities. Values, however, are steady. Firm conditions continue for ANISE (STAR) and spot supplies are difficult to locate. Prices of CASSIA are firm and a shade dearer on spot. Controlled oils (GROUNDNUT, LINSEED and OLIVE) are unchanged. LEMONGRASS continues to be quoted firm on spot. A good demand has been received for both Chinese and Japanese PEPPERMINT oils. Bulgarian ROSE is tending firmer on spot.

Exchange Rates on London

The following is a list of the chief Continental and other exchange rates at the opening on Wednesday morning:—

Centre	Quoted	Par	March 12	March 19
Belgian Congo ..	Francs to £	nominal	176½*	176½*
Buenos Aires ..	Paper pesos to £	—	17·04½*	17·04½*
Java ..	Florins to £	12·107	7·60*	7·60*
Lisbon ..	Escudos to £	110	100·0*	100·0*
Madrid ..	Pesetas to £	25·24½	40·50 official 46·55 voluntary	40·50 official 46·55 voluntary
Montreal ..	Dollars to £	4·86½	4·45*	4·45*
New York ..	Dollars to £	nominal	4·03*	4·03*
Shanghai ..	Per dollar	—	3½d.	3½d.
Stockholm ..	Kroner to £	18·150	16·90*	16·90*
Yokohama ..	Per yen	25.	1s. 1½d.	1s. 1½d.
Zurich ..	Francs to £	22·2115	17·35*	17·35*

* Rate fixed by Bank of England. Bank rate, 2 per cent.

Pharmaceutical Chemicals

PRICES of barbitone and sodium barbitone again tend firmer. Amidol, hydroquinone and metol are dearer.

AMIDOPYRINE.—Steady, with dealers' prices for crystals ranging between 27s. 6d. per lb., in one-cwt. lots to 30s. per lb. for smaller quantities; powder, 3d. per lb. extra.

ASPIRIN.—Makers' prices are steady:—

Quantity	In containers of					
	1 lb.	2 lb.	4 lb.	7 lb.	14 lb.	28 lb.
1 lb. and under 4 lb.	s. d.	s. d.	s. d.	s. d.	s. d.	s. d.
4 lb. and under 7 lb.	3 10½	3 9	—	—	—	—
7 lb. and under 14 lb.	3 9½	3 8	3 7½	—	—	—
14 lb. and under 28 lb.	3 8½	3 7	3 6½	3 6½	—	—
28 lb. and under 1 cwt.	3 7½	3 6	3 5½	3 5½	3 5	—
Not less than 1 cwt.	3 6½	3 5	3 4½	3 4½	3 4	3 3½
Not less than 5 cwt.	2 11½	2 10	2 9½	2 9½	2 9*	2 8½
Not less than 10 cwt.	2 11	2 9½	2 9	2 8½	2 8½*	2 8
Not less than 10 cwt.	2 10	2 8½	2 8½	2 7½	2 7½*	2 7

* 8 × 14 lb. and upwards in one delivery, ½d. per lb. less.

Sale is subject to buyer's undertaking not to re-sell any quantity at prices or terms below scale for such quantity current at time re-sale is made, and, if converted into tablets, not to sell any number at prices or terms below scale current at time of sale.

ASPIRIN TABLETS.—Makers' quotations for bulk quantities are as follows: Under 5,000, 3s. 1½d.; 5,000, 2s. 11½d.; 10,000, 2s. 10½d.; 25,000, 2s. 8½d.; 50,000, 2s. 7½d.; 100,000, 2s. 6½d.; 250,000, 2s. 6d.; 500,000, 2s. 5½d.; 1,000,000, 2s. 4½d.; 2,000,000, 2s. 3½d. per 1,000. All bulk sale are subject to re-sale clause.

BARBITONE.—Prices are inclined to be firmer, with dealers' quotation now ranging from 24s. 6d. per lb. for 1-cwt. lots to about 27s. 6d. to 30 per lb. for smaller quantities.

BROMIDES.—Makers' prices are as follows:—

POTASSIUM	In parcels of					
	1 lb.	2 lb.	4 lb.	7 lb.	14 lb.	28 lb.
1 lb. and under 4 lb.	s. d.	s. d.	s. d.	s. d.	s. d.	s. d.
4 lb. and under 7 lb.	3 11	3 9½	—	—	—	—
7 lb. and under 14 lb.	3 10	3 8½	3 8½	—	—	—
14 lb. and under 28 lb.	3 9	3 7½	3 7½	3 6½	—	—
28 lb. and under 1 cwt.	3 8	3 6½	3 6½	3 5½	3 5½	—
1 cwt.	3 7	3 5½	3 5½	3 4½	3 4½	3 4
5 cwt.	3 0½	2 11	2 10½	2 10½	2 10	2 9
1 cwt.	2 11½	2 10	2 9½	2 9½	2 9	2 8

SODIUM, 1d. per lb. extra; AMMONIUM, 3d. per lb. extra; packing extra but returnable. Net. Carriage paid in United Kingdom in minimum one-cwt. lots. Contracts over 10 months: each delivery against contract to be charged at schedule rates current on date of dispatch of goods. War-emergency clause and usual re-sale terms apply.

CAFFEINE.—Supplies are scarce, and small quantities of ALKALOIDS would now be worth about 65s. per lb. CITRATE remains at about 38s. 6d. to 40s. per lb.

CALCIUM LACTATE.—In good inquiry, with makers' price steady at 1s. 9d. per lb. for small quantities.

CALCIUM SODIUM LACTATE.—Good business is passing. Makers' price as follows: 28 lb., 2s. 3d. per lb.; 14 lb., 2s. 5d.; smaller lots, 2s. 8d. per lb.

CREOSOTE (BEECHWOOD).—Occasional small business; values firm at about 8s. 6d. to 9s. per lb. for quantities.

EMETINE HYDROCHLORIDE.—Makers' prices unchanged at about 10 to 104s. per oz., according to quantity.

EPHEDRINE HYDROCHLORIDE (B.P.).—Quotations for ordinary quantities remain at about 7s. to 8s. per oz., with lots of 1,000 oz. at lower figures.

ETHERS (METHYLATED).—Makers' prices are steady at the recent advance:—

Specific Gravity and Grade	Winchester quarts, per lb.	Not less than		Drums Carboy per lb.
		6 w. qts., per lb.	12 w. qts., per lb.	
0·750 ..	s. d.	s. d.	s. d.	s. d.
0·735 ..	1 5½	1 4½	1 4½	1 3½
0·730 ..	1 5½	1 5½	1 4½	1 3½
0·725 ..	1 5½	1 5½	1 4½	1 3½
0·725 triply rectified ..	1 7½	1 7½	1 6½	1 5½
0·720 ..	2 0½	1 11½	1 11½	1 10½
0·717 ..	1 8½	1 8½	1 7½	1 6½
0·710 B.P., not for anaesthesia ..	2 2½	2 2½	2 1½	2 0½
	1 10	1 9½	1 9	1 8

Net prices, usual terms. Special prices for quantities and contracts, subject to rise and fall. Prices for anaesthetic ethers unchanged.

HEXAMINE.—Quiet but steady. Dealers quote free-running crystals at about 2s. 1d. to 2s. 3d. per lb., ex store, according to quantity; powder would be cheaper.

LACTIC ACID (B.P.).—Demand continues good, and values are steady. One-cwt. carboys, 1s. 10d. per lb.; winchesters and bottles, 1s. 11d. to 1s. 12d. per lb.

METHYL SALICYLATE.—Steady at makers' prices, as follows: Five cwt., 8½d.; one cwt., 1s. 9d.; small quantities in bottles, 1s. 11d. per lb.

METHYL SULPHONAL.—Quiet and steady. Dealers' quotations continue to be in the region of 39s. to 41s. per lb., ex store.

PARALDEHYDE.—Average business passing. Quantities, in one-cwt. carboys, continue to be quoted steadily at about 1s. to 1s. 1d. per lb.

PHENOLPHALEIN.—The following are makers' prices: Less than 7 4s. 2d. per lb.; 7 lb., 4s. 1d.; 14 lb., 4s.; 28 lb., 3s. 11d.; one cwt., 3s.

PHOTOGRAPHIC CHEMICALS.—The following are home makers' prices: SODIUM HYPOSULPHITE.—5 cwt., 21s. 6d.; 1 cwt., 24s. 6d.; 56 lb., 14s. 6d.; 28 lb. for 7s. 6d. SODIUM CARBONATE, RECRYST.—5 cwt., 13s.

1 cwt., 17s.; 56 lb. for 12s. 6d.; 28 lb. for 6s. 6d. ALUM (PHOTOGRAPHIC QUALITY).—1 cwt., 23s.; 28 lb. for 6s. 6d. GLYCIN.—7 lb., 13s. 6d.; 14 lb., 13s. 6d.

1-lb. bottles, 14s. 6d. POTASSIUM FERRICYANIDE.—28 lb., 3s. 1d.; 14 lb., 3s. 3d.; 7 lb., 3s. 6d.; less than 7 lb., 3s. 9d. per lb.; 1-lb. bottles, 4s.

8-oz. bottles, 2s. 6d.; 4-oz., 1s. 5d.; 1-oz., 10d. each. AMIDOL.—Advanced by from 1s. to 1s. 6d. per lb., as follows: 1 cwt., 9s. 6d.; 56 lb., 12s. 3d.; 28 lb., 10s. 6d. per lb., all net monthly account; 14 lb., 11s. 3d.; 7 lb., 12s. 3d.; under 7 lb., 13s. 6d. per lb., all 2½ per cent. monthly account.

Bulk tins or parcels free; 1-lb. bottles, 6d. per lb. extra. Retail quantities in bottles: 16 oz., 21s.; 8 oz., 11s. 3d.; 4 oz., 6s.; 1 oz., 2s. 6d., subject to 33½ per cent. discount to retail dealers or trade users. CHLOROQUINOL.—

bottles, 21s. per lb. HYDROQUINONE.—Advanced by 6d. per lb., as follows: cwt., 6s. 10½d.; 56 lb., 7s. 1d.; 28 lb., 7s. 4d. per lb., all net monthly account; 14 lb., 7s. 9d.; 7 lb., 8s.; under 7 lb., 8s. 6d. per lb., all 2½ per cent. monthly account. Bulk tins or parcels free; 1-lb. bottles, 6d. per lb., extra. Retail quantities in bottles: 16 oz., 13s. 6d.; 8 oz., 7s. 6d.; 4 oz., 4s. 6d.; 1 oz., 1s. 9d., subject to 3¾ per cent. discount to retail dealers or trade users. GOLD CHLORIDE.—15-grain tubes, 53s. per doz. MAGNESIUM POWDER.—11s. 9d. per lb. PARAMIDOPHENOL HYDROCHLORIDE.—9s. per lb., bottles free. POTASSIUM METABISULPHITE.—One cwt., 1s. 3d.; 56 lb., 1s. 6d.; 14 lb., 1s. 7d.; 7 lb., 1s. 9d.; 1 lb., 2s.; 16-oz. bottles, 5s. 6d.; 8-oz. bottles, 1s. 6d. each; 4-oz. bottles, 1s. each; 1-oz. bottles, 1d. each. PYROGALLIC ACID, CRYST.—1 cwt. and over, 11s. 3d.; 56 lb., 1s. 6d.; 28 lb., 12s., all net; 14 lb., 12s. 9d.; 7 lb., 13s. 9d.; under 7 lb., 14s. 6d. per lb., all 2½ per cent. monthly account. Small quantities, 1 lb., 5s.; 8 oz., 8s. 4d.; 4 oz., 4s. 8d.; 1 oz., 1s. 8d. PYROGALLIC ACID, RESUB.—28 lb., 13s. 6d. net; 14 lb., 14s. 3d.; 7 lb., 15s. 3d.; under 7 lb., 16s. per lb., all 2½ per cent. monthly account. Small quantities, 1 lb., 16s. 6d.; 8 oz., 9s.; 4 oz., 5s. 4d.; 1 oz., 2s. SODIUM SULPHITE, RECRYST.—One cwt., 4s. 6d. per cwt., 56 lb. for 13s. 3d.; 28 lb. for 7s. METOL.—Advanced by 10s. 1d. to 1s. 6d. per lb., as follows: 1 cwt., 16s.; 56 lb., 16s. 9d.; 28 lb., 17s. 6d. per lb., all net monthly account; 14 lb., 18s. 6d.; 7 lb., 19s. 6d.; under 7 lb., 20s. 6d. per lb., all 2½ per cent. monthly account. Bulk tins or parcels free; 1-lb. bottles, 6d. per lb. extra. Retail quantities in bottles: 16 oz., 31s. 6d.; 8 oz., 16s. 6d.; 4 oz., 9s.; 1 oz., 3s. 6d., subject to 3¾ per cent. discount to retail dealers or trade users. Manufacturers make a condition of sale that material shall not be re-sold at prices lower than their schedules ruling on date re-sale is made.

SALOL.—Values are unchanged, spot quotations remaining between 3s. 3d. and 6s. 9d. per lb., according to quantity.

SANTONIN.—Convention prices are as follows: 15 kilos and over, £35 10s.; not less than 10 kilos, £36 5s.; not less than 5 kilos, £37; less than 5 kilos, 38 per kilo, delivered free in the U.K.; 1-kilo tins free.

SODIUM BARBITONE.—The firmer tendency noted last week continues. One cwt., about 24s. 6d. per lb.; smaller quantities, about 27s. 6d. to 28s. per lb.

SULPHANILAMIDE.—Steady; values unchanged at about 10s. 6d. to 11s. 6d. per lb., according to quantity.

SULPHONAL.—Business has not been of much account, but values are steady. Dealers' quotations remain at about 34s. to 37s. 6d. per lb., according to quantity.

THEOBROMINE.—The value of imported material would be about 55s. 60s. per lb., with supplies short. THEOBROMINE SODIUM SALICYLATE.—British-made from imported theobromine, about 36s. to 40s. per lb.

Crude Drugs

NUMBER of items have been in fair demand but trade generally continues to be of a routine character. Prices of most products are firm.

ACONITE ROOT.—Some Indian about due is quoted at 190s. per cwt.

AGAR.—A fair spot demand continues at the high prices recently recorded, but stocks are now small. Certain new licences to import for bacteriological purposes only are understood to have been granted. Spot prices are as follows: Kobe No. 1, 18s. per lb.; Kobe No. 2, 17s. 6d.; and Yokohama No. 1, 17s. 6d. per lb.

ALOES.—A good demand is reported for Curaçao, but spot stocks appear to be negligible. Spot is quoted nominal at about 350s. per cwt., store, according to quantity. The last price from New York was at 20s. per cwt., c.i.f. Cape, steady at about 57s. 6d. to 60s. per cwt.

ANTIMONY.—Demand is on a fair scale, with quotations for English, regulus, 99 per cent., steady at £85 per ton, delivered; foreign regulus, £88 19s. 10d. per ton, ex warehouse, duty paid; Chinese, for prompt shipment, 6 to £89, c.i.f.

BALSAMS.—*Tolu* is not in good supply and is quoted on spot at about 16d. per lb., according to quality; *Canada*, spot, about 7s. 6d. to 7s. 9d. per lb.; *Copaiba*, B.P., about 3s. 6d. per lb.; *Peru*, 7s. 3d. to 7s. 6d. per lb.

BENZON.—Occasional spot sales. Sumatra, spot, steady at about 10s. to £6 15s. per cwt., ex store.

BISMUTH METAL.—A fair demand is reported, with prices unaltered at 25 cents per lb.

BUCHU.—Spot, about 3s. 4d. to 3s. 5d. per lb.; shipment, new-crop, 4s., about 2s. 6d. per lb., c.i.f.

CAMPHOR.—Moderate inquiry continues, with quotations unchanged. Japanese, tablets, spot, if available, about 6s. per lb., nominal; slabs, out 5s. 3d.; and flowers, about 5s. 4d. per lb. Continental synthetic is quoted unchanged: Powder, 5s. 3d.; tablets, 5s. 6d. per lb., ex store. English refined, steady, as follows: Flowers, one cwt., 6s. 3d.; 28 lb., 4d.; less than 28 lb., 6s. 5d. per lb. Transparent tablets, ¼-oz.: One t., 6s. 9d.; 28 lb., 6s. 10d.; less than 28 lb., 6s. 11d. per lb.

CARDAMOMS.—Aleppy greens continue to be quoted on spot at about 6d. per lb., and for shipment at about 3s. 10d. per lb., c.i.f. Bombay red, spot, about 4s. 3d. to 4s. 4d. per lb.; shipment, 4s. 6d. per lb., c.i.f.

CASCARA SAGRADA.—The spot position is unchanged, with values maintained at 125s. upwards per cwt., according to bolder and age of bark. Shipment values remain at about 100s. per cwt., c.i.f. Reports indicate at the outlook for the 1941 collections is poor, and that the limited carry-over is strongly held at source.

CASCARILLA.—In quiet demand, with dealers quoting small spot supplies at silver quill at about 1s. 8d. per lb., and siftings at about 2d. per lb. less.

CHAMOMILES.—Stocks of Belgian flowers have been cleared, and no quotations are available.

CINCHONA BARK.—Business has been of small importance. Dealers' spot quotations for *Calisaya* remain at about 1s. 11d. per lb., ex store.

CLOVES.—The upward movement continues, with Zanzibar now quoted on spot at 1s. 5½d. per lb.; shipment, grade 2, March–April, 9½d. per lb., c.i.f., nominal. Madagascar, again dearer at 1s. 5d. per lb., value, in bond.

COCOA BUTTER.—An Order fixing a maximum price has been made by the Minister of Food; it came into force on March 17. The maximum price is fixed under the new Order at 1s. 5½d. per lb., ex factory or warehouse. This price takes into consideration the recent increase in the price of raw cocoa.

COCONUT (DESICCATED).—Maximum wholesale price, as fixed by the Ministry of Food, 49s. per cwt.

COLOCYNTH.—Rather more demand noted; most of the cheaper parcels appear now to have been cleared. Fair white quality would be worth about 2s. per lb. on spot.

DAMIANA LEAVES.—Small business is passing at steady prices. Dealers quote at about 1s. per lb., ex store.

DANDELION ROOT.—The spot value of Indian remains at about 140s. to 160s. per cwt.

DERRIS ROOT.—Little interest is being shown. Dealers' spot prices remain steady at about 1s. to 1s. 2d. per lb., according to test. Powder, approximately 1s. 8d. per lb.

DIGITALIS LEAVES.—It is reported that supplies of Indian leaves will be available in the near future.

DRAGON'S BLOOD.—Dealers quote fair reboiled at about £27 per cwt.

ERGOT.—A quiet, steady market. Spanish-Portuguese, spot, about 8s. to 8s. 3d. per lb., ex store; shipment, between 6s. 6d. and 6s. 9d. per lb., c.i.f., according to seller.

EUONYMUS BARK.—Offered at about 3s. 3d. per lb. on spot.

GAMBOGE.—Dealers are asking about £27 per cwt., on spot, for good-quality Siam pipe, but available supplies appear to be limited. No offers are reported from source.

GINGER.—Firm. Spot descriptions nominal. For shipment, West African, 45s., c.i.f.; Jamaican, No. 2, 85s., and No. 3, 80s. per cwt., c.i.f.; Cochín, unwashed, 38s. per cwt., c.i.f.

GUM ACACIA.—Spot market steady; shipment quiet. Kordofan cleaned sorts, spot, about 90s. per cwt., ex store; bleached, from 140s. to 170s. per cwt., according to quality; shipment, cleaned, 47s. 6d. per cwt., c.i.f.

HYDRASTIS.—Little activity is noted; spot, about 19s. per cwt.

IPECACUANHA.—Business has been quiet, but values continue steady. Matto Grosso, spot, about 18s. 6d. per lb., nominal, ex store; shipment, about 13s. 6d. per lb., c.i.f. Spot quotations for Minas are now at about 10s. 6d. to 10s. 9d. per lb.; shipment, about 8s. 3d. to 8s. 6d. per lb., c.i.f. EXT. IPECAC. LIQ., steady at 26s. 6d. per lb., for minimum lots of twelve winchesters.

LOBELIA HERB.—Dealers are asking about 1s. 7d. to 1s. 8d. per lb. for spot material, ex store.

MENTHOL.—Chinese has met with a good spot demand, and business is reported done at 25s. per lb., with some sellers at 26s. per lb.; shipment, about 22s. per lb., c.i.f. Japanese, on spot, would now be worth about 30s. per lb., ex store, duty paid.

MERCURY.—Spot quotations continue at about £49 to £50 per bottle, ex warehouse London.

NUTMEGS.—Quiet, with spot stocks low. Eastern browns, spot, 65s., 1s. 9d. per lb.; 80s., 1s. 8d.; West Indian, spot, 80s., 1s. 4d.; 90s., 1s.; wormy and broken, 11d.

ORANGE PEEL.—Values steady on a quiet market. Bitter quarters, if available, would be valued at about 1s. 10d. per lb. on spot; thin-cut, spot, about 3s. 9d. to 4s. per lb., ex store.

PEPPERS.—Business has been steady, and prices have again advanced. Lampong, spot, in bond, 8½d. per lb.; sellers; Tellicherry, spot, 9d. per lb.; Aleppy, spot, again dearer at 9d. per lb., value. White Muntok, firm on spot at the increased price of 1s. 1¼d. per lb.; shipment unquoted.

PIMENTO.—Remains steady on firm, with spot quoted dearer at 1s. 6½d. per lb.; shipment, new-crop, March–April, unaltered at 140s. per cwt., c.i.f., nominal.

PODOPHYLLUM ROOT.—Dealers' spot quotations for *Emodi* remain unchanged at about 60s. per cwt., and American at about 80s. per cwt.

PYRETHRUM.—The spot value of Kenya flowers would be in the region of 180s. per cwt., ex store.

QUASSIA CHIPS.—Market slow, though supplies are becoming depleted. Dealers quote spot material at about 30s. per cwt., ex store.

RHUBARB.—Spot prices are firm. Good demand is noted for rough-round, of which there appears to be little available under about 6s. 3d. per lb.; some afloat parcels are offered at 5s. 6d. to 6s. per lb., duty paid; shipment, about 4s. 5d. to 4s. 8d. per lb., c.i.f. Rather better inquiry for Shensi; spot is quoted at about 8s. to 8s. 9d. per lb.

RUBBER.—Standard ribbed smoked sheet is again quoted dearer for all positions. Spot, 14d.; April, 14d.; May, 14d.; June, 14d.; July–September, 14d.; October–December, 14d.

SEEDS.—ANISE.—Bulgarian, spot, duty paid, 135s. CARAWAY.—Dutch, spot, duty paid, 245s. CORIANDER.—Morocco, spot, 125s., duty paid, ex store London or Liverpool; English, 125s., ex London, duty free. CUMIN.—Malta, spot, 145s., duty free; Morocco, 140s., duty paid. DILL.—Indian, spot, 80s., duty free. FENNEL.—Indian, spot, 70s., duty free; Irak, 65s., duty paid. FENUGREEK.—Morocco, spot, duty paid, 40s., ex store London or Liverpool. MUSTARD.—English, 78s. to 87s. 6d., according to quality.

SENEGA.—Remains steady, with spot quoted at in the region of 5s. 1½d. to 5s. 3d. per lb.; shipment, a shade dearer at 4s. 6d. to 5s., c.i.f.

SENNA.—Market steady; values unchanged. Tinnevely, spot supplies small. No. 1 leaves, 10d. per lb.; No. 2 leaves, 6½d.; No. 3 leaves, 5d. per lb. Hand-picked Tinnevely pods, if available, 1s. to 1s. 3d. per lb.; manufacturing pods, 6d. to 7d. per lb. Alexandrian hand-picked pods, a few small lots at 5s. 6d. to 7s. 6d. per lb.

SERPENTARY ROOT.—Supplies available at about 4s. per lb., ex store.

SHELLAC.—Firm, with good business passing. Standard TN orange, spot, quoted dearer at 100s. per cwt., sellers; for arrival, none offered. Pure button, spot, 115s.; fine orange, 115s. to 170s. per cwt.

SLIPPERY ELM BARK.—Dealers quote at about 1s. per lb. for grinding quality, and about 1s. 9d. to 1s. 10d. per lb. for wired bundles, on spot.

SQUILL.—Some Indian, about due to arrive, is valued at 110s. per cwt.

STRAMONIUM LEAVES.—Supplies of Indian leaves are quoted on spot at about 110s. per cwt.

STROPHANTHUS SEED.—A parcel of 100 per cent. Kombé, now landed, is offered at about 10s. per lb.

TAMARINDS.—Barbados available at 55s. per cwt.; supply limited.

TRAGACANTH.—Quiet and steady. Current quotations for medium grades are as follows: No. 1, white, £115, nominal; No. 2, white, £100, nominal; No. 3, white, £90; pale leaf, £65 to £70; amber leaf, £37; red leaf, from £17; woody and boggy, from £10 to 10s. per cwt., ex store.

TURMERIC.—Firm. Madras finger, sold at 52s., ex store London, and 50s., ex store Liverpool.

VALERIAN ROOT.—Some Indian quoted at 130s. to 140s. per cwt., spot.

WAXES.—BEES'.—Values steady. Spot, 200s.; in bond, 190s.; shipment, Dar-es-Salaam, 182s. 6d. per cwt., c.i.f. Japanese, first three brands, spot, duty paid, 145s.; in bond, 130s.; shipment, nominal. CARNAUBA.—Fatty grey, 440s.; chalky grey, 435s.; Primeira, 500s.

Essential and Expressed Oils

ACTIVITY generally is small, but values of most products are steady. Anise is firm, with spot supplies limited. A good demand is noted for Chinese and Japanese peppermint. Bulgarian rose tends firmer.

ALMOND.—English expressed is quoted as follows: One-cwt. lots, from 5s. per lb., with smaller quantities up to 5s. 6d. per lb., ex store. The value of foreign bitter, if available, would be in the region of 25s. per lb., on spot.

ANISE (STAR).—Firm, with spot supplies difficult to find. Tins in cases, spot, about 7s. 3d. per lb.; drums, about 7s. per lb., ex store. Shipment, tins in cases, about 5s.; drums, about 4s. 6d. per lb., c.i.f.

BAY.—Steady, with small business passing. Dealers quote spot oil at about 6s. 6d. to 7s. per lb., ex store.

BERGAMOT.—Spot prices are a matter for negotiation, about 70s. to 80s. per lb. having been mentioned as a basis. British makers offer artificial substitutes at attractive prices.

BOIS DE ROSE.—Steady, business moderate. Spot, about 14s. per lb.; shipment, unchanged at approximately 9s. 3d. per lb., c.i.f., in drums.

CAJUPUT.—Inquiry small. The spot value would be approximately 5s. 6d. to 6s. per lb., according to quantity.

CANANGA.—Supplies are on the small side. Spot is quoted unchanged at approximately 19s. per lb.

CASSIA.—Prices continue firm. Spot, 9s. 6d. upwards per lb.; shipment, if obtainable, in the region of 7s. per lb., c.i.f.

CEDARWOOD.—Quiet spot demand; price steady. Spot, American, 2s. upwards per lb., according to quantity.

CINNAMON LEAF.—Dealers' spot prices for small supplies remain at in the region of 4s. 6d. to 5s. 6d. per lb.

CLOVE.—Spot values continue at former levels. Imported, spot, in drums, about 6s. 6d. to 7s. per lb., if available. English, quoted unchanged at about 8s. 3d. to 8s. 9d. per lb., according to quantity.

EUCALYPTUS.—Quiet spot demand; prices steady. Spot, from 4s. to 4s. 6d. per lb. for 70 to 75 per cent. oil, according to holder, and from 4s. 6d. to 4s. 9d. for 80 to 85 per cent.

GERANIUM.—Spot prices of both Bourbon and Algerian remain unaltered at about 60s. upwards per lb. Business is quiet.

GRAPEFRUIT.—Genuine Californian is in good demand at about 14s. 6d. to 15s. per lb. for spot supplies.

GROUNDNUT.—No change in the controlled price for large bulk quantities of refined deodorised at £40 per ton, naked, ex works.

LAVENDER.—Good-quality oil continues to be quoted on spot at about 60s. per lb.

LEMONGRASS.—Continues firm, with spot quotations at in the region of 5s. to 5s. 6d. per lb.; shipment, about 4s. 3d. per lb., c.i.f.

LIME.—Spot quotations for West Indian remain at about 30s. per lb., with other qualities at lower prices.

LINSEED.—Controlled price for large bulk quantities of crude, naked ex works, is unchanged at £41 10s. per ton. Distributors' prices for ordinary quantities would be higher.

NEROLI.—Quiet spot demand; price steady. Pure natural oil, about 80s. per oz. on spot.

NUTMEG.—In small supply. Spot value would be approximately 1 to 20s. per lb.

OLIVE.—The Ministry of Food controlled price to importers for large bulk quantities in 50-gall. drums is unchanged. Distributors' prices for few gallons, in gallon tins, carriage paid, range from 12s. 6d. to 13s. per gall., as to quantity.

ORANGE.—Spot value of French Guinea continues at approximately 12s. 6d. per lb., with other grades available up to 16s. per lb. Californian is quoted in sterling at 5s. per lb., in small drums, ex store, duty paid, limited supplies only being available. Shipment can be effected by transoceanic overland to New York at five cents per lb. extra.

PALMAROSA.—Spot quotations are nominal at about 15s. 6d. per lb. store; shipment, new-crop, about 12s. 6d. per lb., c.i.f.

PEPPERMINT.—Both Chinese and Japanese oils have again been in demand on spot; business is reported done in Chinese at 16s. per lb., with further small sellers at this figure; some near-at-hand is offered at 13s. per lb., c.i.f., seller's licence; shipment, about 8s. per lb., c.i.f., buyer's licence. American natural, spot, about 20s. per lb., ex store; shipment, firm. Drums, about 18s., and tins in cases, about 18s. 6d. per lb., c.i.f.

PINE.—Demand has been quiet, and quotations are unchanged. Siberian, spot, about 10s. to 12s. per lb.; Pumlilio, if available, about 25s. per lb.

ROSE.—Shows a firmer tendency as stocks become lower. Spot value of Bulgarian would now be about 120s. per oz.

ROSEMARY.—Small inquiry, values unchanged. Dealers quote spot supplies at approximately 6s. 6d. to 7s. per lb.

SASSAFRAS.—Spot value continues steady; business slow. Spot, about 10s. to 12s. per lb. for genuine natural.

SPIKE.—Demand has been quiet, and quotations are maintained former levels. Spot, about 13s. per lb.

THYME.—Demand small; values steady. Spot, between 10s. and 11s. per lb., according to phenolic content.

VETIVER.—Business remains quiet, with values unchanged. Siam, Bourbon, about 50s. per lb.; Java, about 40s. per lb., ex store.

CORRESPONDENCE

Correspondents may adopt an assumed name, but must in all cases furnish their real name and address to the Editor

A Menace or a Bogy?

SIR,—The co-operative societies want to have Sections 8, 9 and 10 of the Pharmacy and Poisons Act, 1933, amended, so that they can legally sell drugs in both registered and unregistered premises, though individual pharmacists will still be prohibited from doing so. A good deal has been said about the increased competition which might result if the Sections were enforced and the co-operative societies decided to open more pharmacies. Yet the societies do not do, open pharmacies now wherever they think there is sufficient business, and competition in most of the goods which constitute the chemist's counter trade already exists in their grocery, confectionery, and other departments. Any increase could thus only be in National Health Insurance dispensing and the sale of loose drugs, and a pharmacist need be afraid of it! Against the prospect of further competition we must set the fact that the co-operative societies would have to employ a qualified chemist in every branch—such a definite advance towards establishing the principle of supervision of the sale of drugs by pharmacists. It is argued that the co-operative societies could put themselves within the law by creating "daughter" societies to manage their pharmacies, but would not such subsidiary societies be under the same central control and ownership, and therefore belong actually, if not nominally, to the same proprietors? Supposing that a private pharmacist were the owner of some of these businesses, would he be allowed to form a "daughter" company to run his registered pharmacy in order to put himself within the law? It is said that once the societies reorganised themselves they would be able to operate as drug stores or chemists or grocers selling drugs just as it suited their convenience. In what way would such a position differ from the present one?—Yours faithfully,

PROPRIETOR PHARMACIST (15/3)

Points from Letters

Appreciation

May I compliment you on your very helpful journal? I always appreciated the value of your efforts, but I must say I appreciate them more than ever now I am in wholesale business. Good luck. D. J. S (6/3).

"Uncle Sam" is now Pitching

The writer believes it won't be long now before our old "Uncle Sam" will be right inside with you pitching ball, and it is with sincere hope that all English-speaking races may be combined after this war—so as to eliminate any further aggression by the Germans.—A. E. B., St. Louis, U.S.A. (17/2).

Back to Health

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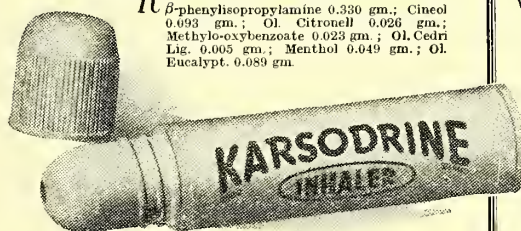
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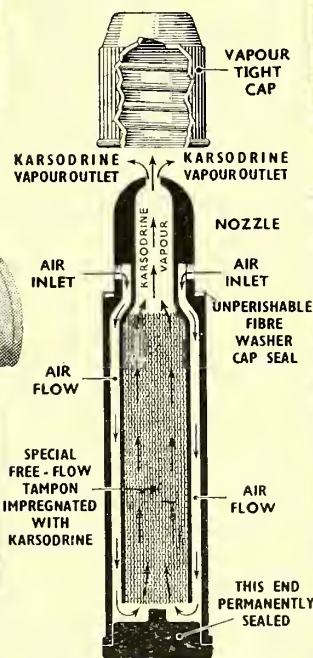
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Allantoin Xtls. 10 gm. & 100 gm. packings

Allantoin Ointment 2%: tubes; 4 oz., 8 oz. & 16 oz. tins.

Allantoin Ointment c̄ Chlorbutol ½% (Comp.) ditto


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Oral Tablets: Allantoin 1½ grs. c̄ Sulphanilamide 8½ grs.

GENATOSAN LIMITED
LOUGHBOROUGH, LEICESTERSHIRE

*The Wise Chemist
always recommends
the best remedy.*



***A LONDON CHEMIST:**
"I am delighted to recommend Dr. Singha Tablets to my Asthma Suffering customers, as I am convinced there is no remedy to equal it."

IT WILL PAY YOU TO RECOMMEND AND SELL
DR. SINGHA ASTHMA TABLETS

The ORIGINAL
and STILL the BEST REMEDY for
ASTHMA, BRONCHIAL ASTHMA
and BREATHING DIFFICULTIES

Prices: 1/6, 3/6, 5/6, 12/6, 20/6
P.A.T.A. Terms from all Wholesale Houses.

DR SINGHA
ASTHMA TABLETS

The DR. SINGHA CO., LTD., CAERNARVON, G.B.

CAPSULE Makers to the Trade



CROWN CAPSULE COMPANY
CAMPBELL STREET,
HELENSBURGH, Scotland

Many years of specialised experience are at your disposal. Superlative products at keenly competitive prices...

Ask us to quote for your next requirements. Own or standard formulæ compounded.

**BATTLE'S
VERMIN
KILLER**

IN PACKETS
5d., 9d., 1/3, 2/6, 5/-
P.A.T.A.

WHOLESALE AT
3/6, 5/6, 9/6, 18/6, 36/-
per doz.

**BATTLE'S
LIQUID
RAT**

IN BOTTLES
1/6, 2/9, 5/- P.A.T.A.

WHOLESALE AT
12/6, 22/6, 45/-
per doz.

EXTERMINATOR

Order some today from your wholesaler

OXO LABORATORIES PREPARATION

"OXOID"

BRAND

VITAMINS 'A' & 'D'

Each Capsule contains 7,000 I.U. of 'A' and 900 I.U. of 'D.'

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"OXOID" BRAND
VITAMINS 'A' &
'D' CAPSULES are
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prescribed for
reducing suscepti-
bility to infections,
and as a prophylac-
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Common Cold

Sold by Chemists

OXO LIMITED, Thames House, London, E.C.4

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It's no gamble to stock

TOWN TALK

—because 15,000,000 women read
TOWN TALK SILVER POLISH
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ORDER DIRECT OR FROM

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THE TOWN TALK POLISH CO., MANCHESTER, 10



*"a bird in the hand
is worth two in the
bush"*

FROM "DON QUIXOTE," MIGUEL DE CERVANTES, 1547-1616

**PLACE YOUR MAXIMUM
ORDER NOW**

Remember that "SevenSeaS" is a rich
protective food of national importance and
is being heavily advertised.

"SevenSeaS" will keep almost indefinitely
in any cool, dark cupboard, and, provided
it is so stored, will not deteriorate or lose
its vitamin values.

ISSUED BY BRITISH COD LIVER OIL PRODUCERS
(HULL) LTD. ST ANDREW'S DOCK, HULL

Pound Notes for YOU IN 'ASPRO' SHOWBOXES!



**a Flu
Sticker
or ASPRO
SHOW
Brings
NEW
CUSTOMERS
INTO YOUR
SHOP!**

"Pound notes for you in 'ASPRO' showboxes" — not literally, of course, but that is hardly an exaggeration of the value to your business of the 'FLU STICKERS' or 'EPIDEMIC STRIPS' now being enclosed in your 'ASPRO' showboxes. Stick them on your door or window — they will bring many customers into your shop.

COLDS & FLU about! GREAT DEMAND for 'ASPRO'!

With 'flu, colds and feverish complaints about thousands of people are asking for 'ASPRO'. The stickers will remind them that YOU SELL THE LINE THEY WANT. That is more important than ever at the present time with new residents in so many districts. Many will be new customers for your other lines as well as 'ASPRO'.

'ASPRO' consists of the purest Acetylsalicylic Acid that has ever been known to Medical Science, and its claims are based on its superiority.

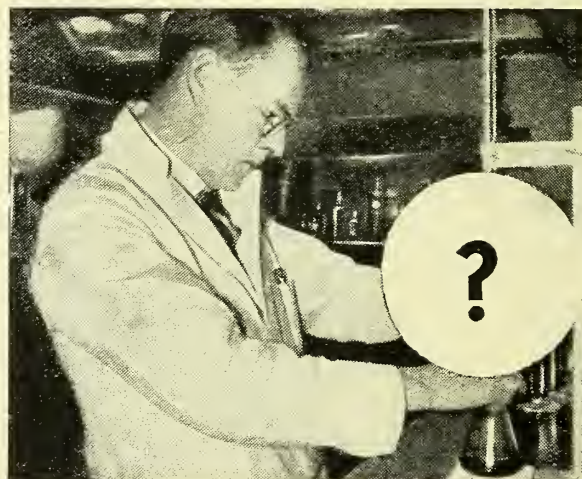
Made in England by
**ASPRO LIMITED, SLOUGH,
BUCKS.**

Telephone: Slough 22381.

No proprietary right is claimed in the method of manufacture or the formula.



WHAT IS HE DOING?



He is adjusting exactly the strength of *Panc. Ext. Benger*. Each tin of Benger's Food contains sufficient — just sufficient — no more and no less — extract of mammal an pancreas to digest itself and the quantity of milk required to convert it to a delicious nutritive Food. (We may not tell you how it is done because although there is no secret about Benger's Food — every doctor in the land knows its composition — there are processes which only Benger's laboratory chiefs may know). It is a scientific wonder that Benger's Food not only modifies the protein of milk and converts the starch in its own wheaten powder, but that you can regulate the extent of this self-digestion while you make the Food. Two minutes! Fifteen minutes! up to Forty-five minutes! is the range of Benger's self-digestion. This elasticity of preparation makes Benger's Food unique — equally valuable as a "goodnight" drink,

or a light diet or a food for patients who are seriously ill. Benger's strengthens the digestion because it gives the maximum nourishment with no more digestive work than is suitable to the individual capacity.

TELL YOUR CUSTOMERS THIS ABOUT BENDER'S

Tell your customers that Benger's Food contains pancreatic digestive enzymes and that when the hot milk is poured on to the cold mixture — according to directions for making — the resulting temperature releases these enzymes for their work. This is partial digestion of both Food and milk. Tell them that Benger's is the only Food in the world which does this. Tell them it only takes as long to make as half a pint of milk takes to boil.

T.11



Regd. Trade Mark

BENGER'S FOOD, LTD.,
Holmes Chapel, Cneshir.

The CHEMIST AND DRUGGIST SUPPLEMENT

This Supplement is inserted in every copy of The Chemist & Druggist

MARCH 22
1941

28 ESSEX STREET, LONDON, W.C.2

IMPORTANT TO SUPPLEMENT ADVERTISERS

Instructions for supplement advertising are now accepted in London and at Bath. London press times have been advanced to first post WEDNESDAY morning of week of issue but instructions will still be accepted up to first post THURSDAY morning if sent to Bath. Advertisements received after these times will be inserted the following week.

THIS IS THE TARIFF

AGENCIES,
GOODS FOR SALE,
PARTNERSHIPS,
PATENTS,
PREMISES TO LET,
FOR SALE or WANTED

7/6 for 36 words or less,
2d. for every additional
word.

Box Office Number 1/- extra.

SITUATIONS 2/6 for 18 words or less, 1d. for every
WANTED additional word. Box Office Number 1/- extra.

ALL ADVERTISEMENTS MUST BE PREPAID. To avoid disappointment send your instructions as early in the week as possible to

THE CHEMIST AND DRUGGIST, THE PITMAN PRESS, BATH
or to London Office at 28 Essex Street, Strand, London, W.C.2

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(12 lines = 1 inch, single
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(for Wholesalers, etc.),
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less, 1/- for every addi-
tional 10 words or less.

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"A HANDBOOK TO PHARMACY"

By William Kirkby, M.Sc., Pharmaceutical Chemist

A regular book of reference upon most of the matters which arise in the course of pharmaceutical practice. Compiled with the purpose of assisting in the answering of the 1,001 questions which arise at disconcerting moments

The Book every Student must have !

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FOR THE

S.M.C., B.O.A., and N.A.O. DIPLOMA Examinations
Particulars:—

C.A. SCURR, F.S.M.O., F.B.O.A., F.N.A.O., F.I.O., F.C.O., M.P.S.

50 HIGH STREET, BARNET, LONDON, N.

WANTED

WANTED FOR CASH

All makes of modern cameras and accessories. Also films, both in and out of date. We buy complete stocks or singles. Write in, stating full particulars of what you have to offer. (New and/or shop soiled). We particularly want 120 Panchromatic films and 35 mm. ditto. Also Bantam cameras and films. Cyril Howe, Bath.

BABY KNICKERS

Waterproof. Sizes: small, medium, large

Best untearable 10/6 per doz. 114/- per gross
Matt superfine 13/- per doz. 144/- per gross
Polished oiled-silk 27/6 per doz. 312/- per gross

BABY COT SHEETS

Jaconet: size 22 x 27. 20/9 per doz. 237/- per gross.
size 36 x 30. 32/- per doz. 348/- per gross.
Rubber: fitted with brass eyelets. Size 27 x 18. 28/- per doz.
312/- per gross.
size 27 x 36. 44/- per doz. 492/- per gross.

WHITE NURSING APRONS

Jaconet, price 27/- per doz. 306/- per gross.
Rubber, price 38/6 per doz. 450/- per gross.

All above goods are waterproof and purchase tax is included in the price.

Immediate delivery. Terms: Net cash with order.

Special prices quoted to the wholesale trade.

Representatives wanted on commission all districts not already covered

L. GOLDSTEIN - (Dept. C.D.) Rear 47 Dean Street, BLACKPOOL S.S.

SITUATIONS OPEN**RETAIL (HOME)****THE GENERAL INFIRMARY AT LEEDS.**

Applications are invited from Registered Pharmacists for the appointment of Temporary Assistant Dispenser; meals will be provided when on duty, evening and weekend duties will be worked in rotation. Applicants must reply in own handwriting, stating sex, age, experience and salary required to the House Governor and Secretary.

GREATER LONDON. Permanent appointments in several districts available to unqualified assistants. Counter and dispensing duties. Apply, giving full particulars of previous experience, to Retail Staff Manager, Taylors British Chemists, Claremont Barn, Claremont Lane, Esher, Surrey.

LONDON, S.E. Qualified Manager (lady or gentleman) required for Branch Business. Apply, giving full particulars of age, experience and salary required. Frank Leslie (Chemists), Ltd., 25 Catford Broadway, Catford, S.E.6.

WEST EALING. Chemist requires assistant, male or female, for counter duties. Dispensing knowledge an advantage. Permanency. 378/835, London Office of this Paper.

ASSISTANT (male or female) required early in April. Qualification not essential but must be able to assist in all departments. Apply, with as full particulars as possible in first letter to Holman, Ham & Co., Ltd., 1 Old Tiverton Road, Exeter.

CAPABLE Trustworthy Assistant required soon for medium-class business Croydon area, permanency. Full particulars experience, age, salary and photo if convenient. Beale & Son, High Street, South Norwood, S.E. 25 (Liv 2310).

LADY Dispenser Book-keeper required for East London Multiple Chemist. Apply, D. Desmond & Co., Ltd., 55 Freemasons Road, Custom House, London, E.16.

LONDON Co-operative Society, Ltd., require immediately the services of an experienced Chemist-Optician, as Branch Manager. Applications in first instance to Pharmacy Manager, 24 Martin Street, Stratford, London, E.15.

MANAGER, EXPERIENCED, for modern London Pharmacy. Apply, giving full particulars. Also **SENIOR QUALIFIED ASSISTANT**. "A", 378/833, London Office of this Paper.

PHARMACY.—Experienced Female Assistant required, must have had pharmaceutical and general shop experience. Widows and single persons only considered for this position, which carries trade union rate of wages, sickness and holiday payment. Apply in writing, stating age and experience, to the Staff Manager, Royal Arsenal Co-operative Society, Limited, 113 Powis Street, Woolwich, S.18. Endorse envelope "Pharmacy."

QUALIFIED Chemist wanted for North London district, either sex, used to N.H.I. dispensing, etc. Phone Archway 2856 for appointment.

QUALIFIED Optician—preferably B.O.A. or S.M.C., but essentially O.B.A.C., required as assistant in Pharmacy and Optical Department. Pharmaceutical experience an advantage but not essential. Must be a capable refractionist and fitter. Working knowledge of lens cutting and edging, electric soldering, etc., an advantage. Apply, stating full particulars of age, height, experience, salary required, etc., and enclosing photograph to, General Manager, Co-operative Society, Chapel Street, Rugby.

QUALIFIED Assistant, as Relief Manager, S.W. London district. No Sunday duty. Progressive post for suitable man. State age, height and particulars of experience. CDB/434, London Office of this Paper.

QUALIFIED Manager for small branch. Lady or gentleman. Full particulars to F. L. K. Loxley, 66 St. Giles Street, Oxford.

RELIABLE Qualified Assistant required for high-class dispensing and retail business. Permanent and progressive post to suitable applicant. R. W. Walden, 65 Elizabeth Street, London, S.W.1.

ROBERTS & CO., 76 New Bond Street, London, require Qualified Young Lady for Dispensing. Apply by letter with age experience and photograph. No Sunday or late duties. 378/827, London Office of this Paper.

TAYLORS BRITISH CHEMISTS require the following: (1) Pharmacists for appointment as permanent managers after suitable training; (2) Pharmacists for duty as holiday relief managers. Permanent employment with excellent prospects to suitable applicants. Vacancies now available in Midlands, North of England and Greater London. Apply, giving full particulars to Retail Staff Manager, Taylors British Chemists, Claremont Barn, Claremont Lane, Esher.

UNQUALIFIED ASSISTANT, EXPERIENCED, West or North-West London. Apply Lewis & Burrows, Ltd., 146 Holborn, E.C.1.

WANTED. Young Unqualified Assistant, used to a high-class business. Must be energetic and a good time-keeper. CDB/420, London Office of this Paper.

WANTED. Junior Assistant or Lady Dispenser. State wages; photograph and particulars. Hall, Chemist, Skegness.

WANTED. A fully qualified Male Assistant for our Drug and Dispensing Department at the Central Premises. Wages (including War Bonus) £4 12s. per week. Applications to be made in writing, stating age, experience, with testimonials, to be addressed to the Managing-Secretary, "L. & D." Co-operative Society, Ltd., 51 Church Street, Lancaster, to arrive not later than Thursday, March 27, 1941.

WANTED. Qualified Assistant, chiefly dispensing. State age, experience, and salary required; send photograph. G. Peck & Son, Ltd., 9 Kings Parade, Cambridge.

LOCUMS AND SEASONAL VACANCIES

LOCUM (lady or gentleman), unqualified, required to take charge of high-class Drug Stores in Northamptonshire. Friday, June 20, to Monday, June 30, both dates inclusive. State age, experience, and salary required, giving references, to 378/830, London Office of this Paper.

WHOLESALE

AN opening occurs for an experienced and practical chemist, not liable for military service, capable of creating and making perfumery compounds and flavouring essences. Bucks district. Write in confidence, giving particulars of experience and stating salary required, to 378/826, London Office of this Paper.

EXPERIENCED Invoice Typists required by firm of manufacturing chemists in North London. Write stating full details of experience and salary required to 378/829, London Office of this Paper.

GIBSON DIXON, Chemist, Halifax, has vacancy for an Assistant (not qualified), manufacturing principally. Write, stating age, experience, salary, enclose photo if possible.

INVOICE Clerk required for London Wholesale Druggists. Write, stating experience, etc. 365/381, London Office of this Paper.

REPRESENTATIVE wanted by Midland Drug House. Must have good all-round knowledge of trade. Reply to CDB/431, London Office of this Paper.

REQUIRED by firm of manufacturing chemists and packers of toilet preparations: an experienced Clerk for keeping statistics under the Limitation of Supplies Order and the Purchase Tax Act. Applicants must have knowledge of goods affected by the various classes under the Limitation Order. Write, stating age, experience and salary required, to 378/838, London Office of this Paper.

SUGAR Coater wanted (male or female). Good wages, and every consideration. Buckley-Bowker Tablet Co., Ltd., 29 Parkfield Street, Islington, N.1.

TABLET Maker and Sugar Coater wanted for London Wholesale Druggists. 365/382, London Office of this Paper.

TRAVELLER for toilet brushware with good connexion wholesale and retail chemists and stores in London, South-eastern Counties and Essex; own car; exempt military service. CDB/427, London Office of this Paper.

AGENCIES

AGENCY wanted. Representative, Midlands, Liverpool, Manchester area, could handle additional line; years on territory. References, 378/837, London Office of this Paper.

SALESMAN, old-established sound connexion Hampshire, Sussex, Somerset, Dorset, Devon, Cornwall and S. Wales. Excellent references. Good appearance. Own car. Commission basis and part expenses. Manufacturers interested intensive development above markets guaranteed. Please write to "Successful," 378/831, London Office of this Paper.

MISCELLANEOUS

WHOLESALE distributors wanted for Popular Toilet Cream, stocked by all chemists, in Class 16 Quota; liberal discount offered. Write, CDB/428, London Office of this Paper.

SITU

EXPERIENCED London. Rep Kent.

LADY Dispenser post hospital Office of this Paper

MIDLANDS Adv retail, seeks 17 Park Avenue, A

ADVERTISER (organiser. U manufacturers, co salesman multiple CDB/430, London

ADVERTISER, with chemist duration of war worked from home Bridgefield Road,

BOTTLE Tests samples on 2 Mackenzie Road

SENNA. If you leaves or pod with us. Also sev lenses. Write CDB

Baby Knice 10/6 per d strength qu gross. Exc per doz., p supplied in can be had Terms cash SE Oaklands,

Advertisers Toilet Rol approx. 25

Write C

BUSIN

BOLTON. Lanc opening for which must be sol well fitted in mabo present general ra Lancs.

DRUG Stores, military serv 387/832, London

WA

NORTHERN T or 34,000 -1 r. ech Delivery guarant Pharmacist, CDE

WANTED

in North or East
Avenue, Dartford,

experienced, desires
ne. 378/834, London

qualified, 20 years in
all branches. Rhei,

cheerful personality,
ing pharmaceutical
20 years expert
outdoor position.

with reputable house
representative for
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Moore, Englefield,

quick delivery. Free
Sons, Ltd.,
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in Glasses, Crookes
is Paper.

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super double
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all the above
Small sizes
for quality.
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DISPOSAL

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ing good premises
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11. 6d., assessment £22,
9. irian Road, Bolton.

ham; owner liable
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CHANGE

upply 20,000 .3 gr.
ts in exchange for
to in manufacture.
receipt of goods.
Paper.

WANTED

AMPOULE Filling and/or Sealing Machine required at once, new or used. CDB/429, London Office of this Paper.

CREOSOTE (Beechwood), preferably B.P. standard, required urgently. Write 378/836, London Office of this Paper.

DISTRIBUTORS of a proprietary (powdered) toilet product require service of manufacturers with facilities for grinding to fine mesh and packing under contract. All material supplied. Write P., 378/840, London Office of this Paper.

OILS and Fats of all descriptions wanted, also Glycerine (refined and unrefined) and stearates. Write, 7 Addison Road, London, W.14.

PILL-Mass Mixing and Kneading Machine required, of good type with strong blades suitable for heavy mass. Capacity about 30 lb. weight. Arranged for direct drive from motor. Send full details with photo if possible to Box 420, c/o Mitchells, 1 and 2 Snow Hill, E.C.1.

MILK Sugar wanted, any quantity, best cash price, to Chemist, 96 Mottingham Road, S.E.9.

SMALL Drums wanted, suitable for packing bath salts, powder, etc. (vener, cardboard or tins). Reply T., 378/841, London Office of this Paper.

SOAP. London firm marketing special wrapped toilet soaps (own formula) invites makers of high-grade soaps to manufacture and pack for them under contract. Basic material, wrappers and boxes supplied. Reply R., 378/839, London Office of this Paper.

WANTED, Print Dryer. Unplated Drum, Gas Heated Electric Driven A.C. Particulars to Walden, 65 Elizabeth Street, London, S.W.1.

SALE BY AUCTION

Removed from Camden Town for Sale convenience.

2/5 LITTLE BRITAIN (close to G.P.O.),
LONDON, E.C.1

Complete range of CHEMISTS' FIXTURES AND
SHOWCASES, PLATE GLASS COUNTERS,
SILENT SALESMEN, Mirrors, CASH REGIS-
TERS, Office Furniture.

B. NORMAN & SON

will sell by Auction Wednesday next, March 26,
at 12 noon. View day prior. Catalogues on appli-
cation. Tel.: KELVIN 3680/3681.

PATENTS

HYDROMETER or Specific Gravity Estimating Apparatus. British Patent No. 404,564. The owner of this patent desires to sell the patent right or to grant licences to manufacture thereunder. Apply Bromhead & Co., Chartered Patent Agents, 19-23 Ludgate Hill, London.

PREMISES WANTED

CHEMICAL manufacturers desire to rent or purchase existing factory premises with or without plant. Space not less than 10-12,000 square feet. In or near London. Write, Box 54, Smiths', 100 Fleet Street, E.C.4.

PRICE LISTS, TRADE CIRCULARS, SAMPLES, AND PRINTED MATTER

can in no case be forwarded, the Box numbers being intended exclusively for specific answers to particular advertisements. The Publisher reserves the right to open and refuse to forward any communications received which he may consider contrary to this rule.

Important

Postal and Rail facilities are not so dependable these days and frequently advertisements have to be held over consequent on late arrival. Supplement advertisers are therefore asked in their own interests to co-operate by plainly marking "SMALL ADVERTISEMENT" on the top left-hand corner of the envelope. This will prevent delay and considerably assist our make-up department.

Advertisements can be received up to first post WEDNESDAY MORNING of week of issue, if addressed to THE CHEMIST & DRUGGIST, 28 Essex Street, Strand, London, W.C.2, or THURSDAY (FIRST POST) if sent to THE CHEMIST & DRUGGIST, The Pitman Press, Bath.

LATE NEWS

Business Change.—Ernest J. George & Co. have removed their Midland office to County Buildings, 32 Bridge Street, Walsall.

Limitation of Supplies.—A new Order, the Woven Textiles (No. 7) Order, 1941, dated March 15 (S.R. & O. 323), has been issued by the Board of Trade. The following goods are included in the Third Schedule: Batteries; sanitary towels and surgical appliances, dressings and bandages. Copies of the Order may be obtained from H.M. Stationery Office, Kingsway, London, W.C.2, price 3d.

Drug Tariff.—The National Health Insurance Drug Tariff for the three months January-June 1941 has been issued. The main changes from the previous issue are that an allowance of 0.2d. is now payable in respect of each prescription for an ointment, and that there are numerous price adjustments in Parts III (drugs and preparations); IV (appliances); V (medicine and poison bottles); and VII (formulary).

Medicines Issued to Staff.—Lewis's, Ltd., Liverpool, have been issuing halibut liver capsules at a reduced rate to about 1,000 of their employees, mostly girls. The capsules have been issued fortnightly in quantities sufficient to cover the required dosage for two weeks, at a cost of 3d. per week, the firm making up the deficit. At the end of three months the firm's welfare department will analyse the figures of absence due to sickness to see whether any decisive reduction in the numbers can be traced.

In the Courts.—At Eastbourne, recently, Mabel Brundell, described as a trained nurse, was sentenced to one month's imprisonment for obtaining a bottle of chlorodyne from A. Proctor & Son, Ltd., chemists, Station Parade, by means of a trick, a clergyman's name being used and the errand boy being met when delivering the order. — At Old Street Police Court, London, on March 12, two labourers were fined 40s. each for stealing a quantity of Cuticura soap, the property of Newbery & Phillips, Ltd. Two other labourers were fined 20s. each for receiving the soap knowing it to have been unlawfully obtained.

Trade Report

BORAX (B.P.).—Makers' prices steady: Granulated, £34; crystals, £35; powder, £35 10s. per ton, in 1-cwt. bags, carriage paid in Great Britain, for minimum one-ton lots. Commercial qualities, £8 per ton less.

Boric acid (B.P.).—Makers' prices maintained: Granulated, £50 10s.; crystals, £51 10s.; powder, £52 10s. per ton for minimum one-ton lots, in 1-cwt. bags, carriage paid in Great Britain. Commercial qualities, £8 per ton less.

GLYCERIN.—Prices for small lots are as follows: 1-cwt. drum, 81s. per cwt.; 56-lb. tin, 89s. per cwt.; 28-lb. tin, 92s. per cwt.; 14-lb. tin, 95s. per cwt., all prices subject to discount of 2½ per cent. for cash in twenty-eight days.

QUININE.—The sterling price for sulphate, based on American dollars, remains at £14 17s. 5d. per 100 oz., f.o.b. Java.

RESORCIN.—Dealers' spot prices are unaltered at about 8s. to 9s. per lb., according to quantity.

ARE YOU UNEMPLOYED AS A DIRECT RESULT OF THE WAR ? IF SO, READ THIS

In order to assist employees who have lost their employment, either through enemy action or through businesses being closed down in defence areas, a scheme of free advertisements in the "Situations Wanted" column of this Supplement will be available until further notice.

Any such employee of a retail pharmacist, whether qualified or not, or any employee of works producing or distributing products in connexion with the drug and associated industries is invited to make full use of this facility without charge.

Advertisements should be accompanied by particulars of last employment and cause of its termination, and should be addressed to The Publisher, The Chemist and Druggist, The Pitman Press, Bath, to arrive not later than WEDNESDAY morning of week of issue.

WAR-TIME UNEMPLOYMENT SITUATIONS WANTED

The advertisements in this section are inserted free and are from advertisers who have lost their employment as a direct result of the war.

Prospective employers are requested to give them special consideration.

Advertisers in this Section should advise us immediately employment has been secured.

RETAIL

BIRMINGHAM district preferred. Advertiser, over military age, thoroughly experienced retail, wholesale, medical and institutional dispensing, good appearance and address, excellent references, reasonable salary. Bombed out of last billet. Free now. CDB/364, London Office of this Paper.

LADY Dispenser (Hall) free now. Locums or permanency. Disengaged through war conditions. Ten years in last post with Dr. Also Secretary and Book-keeper. Law, 69 Park Road, Clacton-on-Sea.

MANAGER qualified (58) requires post in high-class pharmacy, thoroughly experienced, London preferred. Disengaged owing to enemy action. CDB/390, London Office of this Paper.

QUALIFIED (36) desires position of trust, 12 years managing in London, capable all-round man and business builder. Yorkshire preferred. CDB/409, London Office of this Paper.

WHOLESALE

AN Active Representative is vacant owing to enemy action; all-round experience of pharmacy; orders awaiting a reliable firm. A connexion of over twenty years in Midlands, part Eastern Counties, amongst Chemists, Beauty Saloons and Stores; car owner; exempt military service. "Recini," "St. Moritz," Wellington Road, Mablethorpe, Lincs.

ANALYTICAL Chemist, Ph.D., above military age, friendly alien on Central register, many years' experience in manufacturing, distributing, publicity of medical proprietary lines, last five years manager of manufacturing private company, offers services in any capacity. Excellent references. 377/791, London Office of this Paper.

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